

EXAMGURUX

UPSC Engineering Services (Preliminary) 2027 - Paper I

1000 Original General Studies & Engineering Aptitude Practice MCQs

Important: This is independent ExamGurux practice material. The questions are original and are **not official questions issued by the examining authority**. They are designed to align with the official/most recently available exam structure and syllabus areas. Always verify current notifications on the official website before the exam.

Official reference: Union Public Service Commission - Engineering Services (Preliminary) Examination 2027 (upsc.gov.in)

Coverage note: UPSC ESE Paper II is discipline-specific (Civil, Mechanical, Electrical, Electronics & Telecommunication). Since no branch was specified, this bank focuses on Paper I style general studies and engineering aptitude preparation.

Section	Questions
General Studies & Current Awareness	300
Engineering Aptitude & Logical Reasoning	300
Numerical / Mathematical Aptitude	250
Basic Science & Engineering Awareness	150

General Studies & Current Awareness

Q1. The chemical symbol for sodium is

- (A) Na
- (B) N
- (C) S
- (D) So

Answer: A

Explanation: Na comes from the Latin name natrium.

Q2. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Nitrogen
- (C) Oxygen
- (D) Carbon dioxide

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q3. The SI unit of force is

- (A) pascal
- (B) newton
- (C) watt
- (D) joule

Answer: B

Explanation: Force is measured in newtons (N).

Q4. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 15 August 1947
- (C) 26 January 1950
- (D) 2 October 1950

Answer: C

Explanation: It came into force on 26 January 1950.

Q5. The capital of India is

- (A) New Delhi
- (B) Chennai
- (C) Mumbai
- (D) Kolkata

Answer: A

Explanation: New Delhi is the capital of India.

Q6. The longest river entirely within India is

- (A) Godavari
- (B) Narmada
- (C) Ganga
- (D) Yamuna

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q7. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Red blood cells
- (C) Plasma cells
- (D) White blood cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q8. The planet known as the Red Planet is

- (A) Mercury
- (B) Mars
- (C) Jupiter
- (D) Venus

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q9. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q10. The fundamental unit of life is

- (A) tissue
- (B) cell
- (C) atom
- (D) organ

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q11. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q12. The longest river entirely within India is

- (A) Ganga
- (B) Yamuna
- (C) Narmada
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q13. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) Lok Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) President and Lok Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q14. The capital of India is

- (A) Mumbai
- (B) Chennai
- (C) Kolkata
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q15. The chemical symbol for sodium is

- (A) N
- (B) So
- (C) S
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q16. The chemical symbol for sodium is

- (A) Na
- (B) So
- (C) N
- (D) S

Answer: A

Explanation: Na comes from the Latin name natrium.

Q17. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^8 m/s
- (C) 3×10^6 m/s
- (D) 3×10^{10} m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q18. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha and Rajya Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q19. The currency of Japan is

- (A) Won
- (B) Dollar
- (C) Yen
- (D) Yuan

Answer: C

Explanation: Japan uses the yen.

Q20. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) White blood cells
- (C) Platelets
- (D) Plasma cells

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q21. The fundamental unit of life is

- (A) atom
- (B) organ
- (C) tissue
- (D) cell

Answer: D

Explanation: The cell is the basic structural and functional unit of life.

Q22. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) President and Lok Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q23. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Platelets
- (C) White blood cells
- (D) Red blood cells

Answer: D

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q24. The capital of India is

- (A) Mumbai
- (B) New Delhi
- (C) Chennai
- (D) Kolkata

Answer: B

Explanation: New Delhi is the capital of India.

Q25. The SI unit of force is

- (A) pascal
- (B) joule
- (C) newton
- (D) watt

Answer: C

Explanation: Force is measured in newtons (N).

Q26. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Arctic Ocean
- (D) Indian Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q27. The chemical symbol for sodium is

- (A) S
- (B) N
- (C) Na
- (D) So

Answer: C

Explanation: Na comes from the Latin name natrium.

Q28. The SI unit of force is

- (A) watt
- (B) pascal
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q29. The speed of light in vacuum is approximately

- (A) 3×10^8 m/s
- (B) 3×10^6 m/s
- (C) 3×10^5 m/s
- (D) 3×10^{10} m/s

Answer: A

Explanation: The accepted approximate value is 3×10^8 m/s.

Q30. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q31. The fundamental unit of life is

- (A) tissue
- (B) atom
- (C) cell
- (D) organ

Answer: C

Explanation: The cell is the basic structural and functional unit of life.

Q32. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: A

Explanation: It came into force on 26 January 1950.

Q33. The capital of India is

- (A) Chennai
- (B) Kolkata
- (C) New Delhi
- (D) Mumbai

Answer: C

Explanation: New Delhi is the capital of India.

Q34. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Bankim Chandra Chattopadhyay
- (C) Sarojini Naidu
- (D) Subramania Bharati

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q35. The fundamental unit of life is

- (A) organ
- (B) cell
- (C) tissue
- (D) atom

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q36. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Chloroplast
- (C) Nucleus
- (D) Mitochondrion

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q37. The SI unit of force is

- (A) pascal
- (B) watt
- (C) joule
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q38. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Atlantic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q39. The currency of Japan is

- (A) Dollar
- (B) Yen
- (C) Yuan
- (D) Won

Answer: B

Explanation: Japan uses the yen.

Q40. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Hydrogen
- (C) Nitrogen
- (D) Oxygen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q41. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Mitochondrion
- (C) Nucleus
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q42. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Chloroplast
- (D) Mitochondrion

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q43. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: A

Explanation: It came into force on 26 January 1950.

Q44. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) Lok Sabha only
- (C) President and Lok Sabha only
- (D) President, Lok Sabha and Rajya Sabha

Answer: D

Explanation: Article 79 provides for the President and the two Houses.

Q45. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Ribosome
- (C) Chloroplast
- (D) Nucleus

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q46. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Ribosome
- (C) Mitochondrion
- (D) Nucleus

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q47. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Nucleus
- (C) Ribosome
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q48. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Subramania Bharati
- (C) Bankim Chandra Chattopadhyay
- (D) Sarojini Naidu

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q49. The SI unit of force is

- (A) watt
- (B) pascal
- (C) joule
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q50. The capital of India is

- (A) New Delhi
- (B) Kolkata
- (C) Mumbai
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q51. The planet known as the Red Planet is

- (A) Mercury
- (B) Mars
- (C) Jupiter
- (D) Venus

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q52. The chemical symbol for sodium is

- (A) Na
- (B) N
- (C) So
- (D) S

Answer: A

Explanation: Na comes from the Latin name natrium.

Q53. Which gas is most abundant in Earth's atmosphere?

- (A) Oxygen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Hydrogen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q54. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 26 November 1949

Answer: B

Explanation: It came into force on 26 January 1950.

Q55. The longest river entirely within India is

- (A) Ganga
- (B) Narmada
- (C) Godavari
- (D) Yamuna

Answer: C

Explanation: Godavari is the longest river flowing entirely within India.

Q56. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Red blood cells
- (C) Platelets
- (D) Plasma cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q57. The SI unit of force is

- (A) pascal
- (B) watt
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q58. The capital of India is

- (A) Kolkata
- (B) Mumbai
- (C) Chennai
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q59. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Bankim Chandra Chattopadhyay
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q60. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President and Lok Sabha only
- (C) Lok Sabha only
- (D) President, Lok Sabha and Rajya Sabha

Answer: D

Explanation: Article 79 provides for the President and the two Houses.

Q61. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q62. The capital of India is

- (A) Chennai
- (B) New Delhi
- (C) Kolkata
- (D) Mumbai

Answer: B

Explanation: New Delhi is the capital of India.

Q63. The SI unit of force is

- (A) pascal
- (B) joule
- (C) newton
- (D) watt

Answer: C

Explanation: Force is measured in newtons (N).

Q64. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 26 January 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: B

Explanation: It came into force on 26 January 1950.

Q65. Which gas is most abundant in Earth's atmosphere?

- (A) Nitrogen
- (B) Hydrogen
- (C) Carbon dioxide
- (D) Oxygen

Answer: A

Explanation: Nitrogen is about 78% of the atmosphere.

Q66. The capital of India is

- (A) New Delhi
- (B) Kolkata
- (C) Mumbai
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q67. The capital of India is

- (A) New Delhi
- (B) Kolkata
- (C) Chennai
- (D) Mumbai

Answer: A

Explanation: New Delhi is the capital of India.

Q68. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 15 August 1947
- (C) 2 October 1950
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q69. The longest river entirely within India is

- (A) Narmada
- (B) Ganga
- (C) Yamuna
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q70. The SI unit of force is

- (A) watt
- (B) pascal
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q71. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Oxygen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q72. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 2 October 1950
- (C) 26 January 1950
- (D) 15 August 1947

Answer: C

Explanation: It came into force on 26 January 1950.

Q73. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^5 m/s
- (C) 3×10^8 m/s
- (D) 3×10^{10} m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q74. The capital of India is

- (A) New Delhi
- (B) Kolkata
- (C) Mumbai
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q75. The longest river entirely within India is

- (A) Godavari
- (B) Narmada
- (C) Yamuna
- (D) Ganga

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q76. Which gas is most abundant in Earth's atmosphere?

- (A) Oxygen
- (B) Nitrogen
- (C) Carbon dioxide
- (D) Hydrogen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q77. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Chloroplast
- (C) Nucleus
- (D) Ribosome

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q78. The currency of Japan is

- (A) Won
- (B) Dollar
- (C) Yuan
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q79. The planet known as the Red Planet is

- (A) Jupiter
- (B) Mars
- (C) Mercury
- (D) Venus

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q80. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Mitochondrion
- (C) Nucleus
- (D) Ribosome

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q81. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Mitochondrion
- (C) Chloroplast
- (D) Nucleus

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q82. The chemical symbol for sodium is

- (A) S
- (B) Na
- (C) N
- (D) So

Answer: B

Explanation: Na comes from the Latin name natrium.

Q83. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Chloroplast
- (C) Nucleus
- (D) Mitochondrion

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q84. The fundamental unit of life is

- (A) organ
- (B) atom
- (C) cell
- (D) tissue

Answer: C

Explanation: The cell is the basic structural and functional unit of life.

Q85. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^5 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q86. The SI unit of force is

- (A) newton
- (B) watt
- (C) pascal
- (D) joule

Answer: A

Explanation: Force is measured in newtons (N).

Q87. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Atlantic Ocean
- (C) Indian Ocean
- (D) Arctic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q88. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Chloroplast
- (C) Mitochondrion
- (D) Nucleus

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q89. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 26 November 1949
- (C) 26 January 1950
- (D) 15 August 1947

Answer: C

Explanation: It came into force on 26 January 1950.

Q90. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha only
- (D) President and Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q91. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Sarojini Naidu
- (C) Subramania Bharati
- (D) Bankim Chandra Chattopadhyay

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q92. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: A

Explanation: It came into force on 26 January 1950.

Q93. The SI unit of force is

- (A) pascal
- (B) watt
- (C) joule
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q94. The planet known as the Red Planet is

- (A) Mercury
- (B) Venus
- (C) Mars
- (D) Jupiter

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q95. The capital of India is

- (A) Kolkata
- (B) Chennai
- (C) Mumbai
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q96. The Parliament of India consists of

- (A) President, Lok Sabha and Rajya Sabha
- (B) Lok Sabha and Rajya Sabha only
- (C) Lok Sabha only
- (D) President and Lok Sabha only

Answer: A

Explanation: Article 79 provides for the President and the two Houses.

Q97. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) White blood cells
- (C) Platelets
- (D) Plasma cells

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q98. The currency of Japan is

- (A) Yuan
- (B) Yen
- (C) Won
- (D) Dollar

Answer: B

Explanation: Japan uses the yen.

Q99. The Parliament of India consists of

- (A) Lok Sabha only
- (B) President and Lok Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) Lok Sabha and Rajya Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q100. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) White blood cells
- (C) Plasma cells
- (D) Platelets

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q101. The longest river entirely within India is

- (A) Godavari
- (B) Yamuna
- (C) Ganga
- (D) Narmada

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q102. The planet known as the Red Planet is

- (A) Jupiter
- (B) Mars
- (C) Mercury
- (D) Venus

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q103. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Oxygen
- (D) Hydrogen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q104. The currency of Japan is

- (A) Yen
- (B) Yuan
- (C) Won
- (D) Dollar

Answer: A

Explanation: Japan uses the yen.

Q105. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Oxygen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q106. The longest river entirely within India is

- (A) Yamuna
- (B) Narmada
- (C) Ganga
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q107. The SI unit of force is

- (A) watt
- (B) joule
- (C) newton
- (D) pascal

Answer: C

Explanation: Force is measured in newtons (N).

Q108. The planet known as the Red Planet is

- (A) Venus
- (B) Mars
- (C) Mercury
- (D) Jupiter

Answer: B

Explanation: Mars appears reddish because of iron oxides on its surface.

Q109. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 15 August 1947
- (C) 26 November 1949
- (D) 2 October 1950

Answer: A

Explanation: It came into force on 26 January 1950.

Q110. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^8 m/s
- (C) 3×10^6 m/s
- (D) 3×10^{10} m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q111. The currency of Japan is

- (A) Yen
- (B) Dollar
- (C) Won
- (D) Yuan

Answer: A

Explanation: Japan uses the yen.

Q112. The capital of India is

- (A) Kolkata
- (B) Mumbai
- (C) New Delhi
- (D) Chennai

Answer: C

Explanation: New Delhi is the capital of India.

Q113. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q114. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Rabindranath Tagore
- (C) Bankim Chandra Chattopadhyay
- (D) Sarojini Naidu

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q115. The capital of India is

- (A) Mumbai
- (B) Chennai
- (C) Kolkata
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q116. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^8 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^5 m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q117. The planet known as the Red Planet is

- (A) Jupiter
- (B) Venus
- (C) Mars
- (D) Mercury

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q118. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Rabindranath Tagore
- (C) Bankim Chandra Chattopadhyay
- (D) Sarojini Naidu

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q119. The SI unit of force is

- (A) newton
- (B) watt
- (C) joule
- (D) pascal

Answer: A

Explanation: Force is measured in newtons (N).

Q120. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Arctic Ocean
- (C) Atlantic Ocean
- (D) Indian Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q121. The chemical symbol for sodium is

- (A) So
- (B) N
- (C) Na
- (D) S

Answer: C

Explanation: Na comes from the Latin name natrium.

Q122. The fundamental unit of life is

- (A) cell
- (B) organ
- (C) tissue
- (D) atom

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

Q123. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 26 January 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: B

Explanation: It came into force on 26 January 1950.

Q124. The chemical symbol for sodium is

- (A) So
- (B) S
- (C) N
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q125. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Mitochondrion
- (C) Ribosome
- (D) Nucleus

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q126. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q127. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Nucleus
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q128. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Indian Ocean
- (C) Atlantic Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q129. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^8 m/s
- (D) 3×10^6 m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q130. The capital of India is

- (A) New Delhi
- (B) Mumbai
- (C) Kolkata
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q131. The currency of Japan is

- (A) Yuan
- (B) Dollar
- (C) Yen
- (D) Won

Answer: C

Explanation: Japan uses the yen.

Q132. The speed of light in vacuum is approximately

- (A) 3×10^8 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^6 m/s
- (D) 3×10^5 m/s

Answer: A

Explanation: The accepted approximate value is 3×10^8 m/s.

Q133. The capital of India is

- (A) Mumbai
- (B) Chennai
- (C) Kolkata
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q134. The planet known as the Red Planet is

- (A) Venus
- (B) Jupiter
- (C) Mars
- (D) Mercury

Answer: C

Explanation: Mars appears reddish because of iron oxides on its surface.

Q135. The SI unit of force is

- (A) watt
- (B) joule
- (C) pascal
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q136. The SI unit of force is

- (A) newton
- (B) watt
- (C) joule
- (D) pascal

Answer: A

Explanation: Force is measured in newtons (N).

Q137. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Hydrogen
- (D) Oxygen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q138. The SI unit of force is

- (A) newton
- (B) pascal
- (C) watt
- (D) joule

Answer: A

Explanation: Force is measured in newtons (N).

Q139. The chemical symbol for sodium is

- (A) N
- (B) Na
- (C) S
- (D) So

Answer: B

Explanation: Na comes from the Latin name natrium.

Q140. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q141. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Indian Ocean
- (C) Atlantic Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q142. The SI unit of force is

- (A) watt
- (B) pascal
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q143. The currency of Japan is

- (A) Dollar
- (B) Won
- (C) Yuan
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q144. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Atlantic Ocean
- (C) Pacific Ocean
- (D) Indian Ocean

Answer: C

Explanation: The Pacific is Earth's largest ocean.

Q145. The capital of India is

- (A) New Delhi
- (B) Chennai
- (C) Kolkata
- (D) Mumbai

Answer: A

Explanation: New Delhi is the capital of India.

Q146. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Ribosome
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q147. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Plasma cells
- (C) White blood cells
- (D) Red blood cells

Answer: D

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q148. The currency of Japan is

- (A) Yuan
- (B) Dollar
- (C) Won
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q149. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Red blood cells
- (C) Plasma cells
- (D) White blood cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q150. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 26 November 1949
- (C) 15 August 1947
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q151. The SI unit of force is

- (A) newton
- (B) watt
- (C) joule
- (D) pascal

Answer: A

Explanation: Force is measured in newtons (N).

Q152. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Chloroplast
- (C) Nucleus
- (D) Mitochondrion

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q153. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Oxygen
- (C) Hydrogen
- (D) Nitrogen

Answer: D

Explanation: Nitrogen is about 78% of the atmosphere.

Q154. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) Lok Sabha and Rajya Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) Lok Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q155. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^8 m/s
- (C) 3×10^5 m/s
- (D) 3×10^{10} m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q156. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 15 August 1947
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q157. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Bankim Chandra Chattopadhyay
- (C) Rabindranath Tagore
- (D) Sarojini Naidu

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q158. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Pacific Ocean
- (C) Atlantic Ocean
- (D) Indian Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q159. The longest river entirely within India is

- (A) Godavari
- (B) Yamuna
- (C) Ganga
- (D) Narmada

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q160. The planet known as the Red Planet is

- (A) Mercury
- (B) Jupiter
- (C) Venus
- (D) Mars

Answer: D

Explanation: Mars appears reddish because of iron oxides on its surface.

Q161. The chemical symbol for sodium is

- (A) S
- (B) So
- (C) N
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q162. The capital of India is

- (A) Kolkata
- (B) Mumbai
- (C) Chennai
- (D) New Delhi

Answer: D

Explanation: New Delhi is the capital of India.

Q163. The chemical symbol for sodium is

- (A) Na
- (B) S
- (C) So
- (D) N

Answer: A

Explanation: Na comes from the Latin name natrium.

Q164. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 15 August 1947
- (C) 2 October 1950
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q165. The SI unit of force is

- (A) joule
- (B) watt
- (C) pascal
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q166. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: A

Explanation: It came into force on 26 January 1950.

Q167. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 26 November 1949
- (D) 15 August 1947

Answer: A

Explanation: It came into force on 26 January 1950.

Q168. The chemical symbol for sodium is

- (A) N
- (B) Na
- (C) S
- (D) So

Answer: B

Explanation: Na comes from the Latin name natrium.

Q169. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^6 m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q170. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) Platelets
- (C) White blood cells
- (D) Plasma cells

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q171. The Parliament of India consists of

- (A) Lok Sabha and Rajya Sabha only
- (B) Lok Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) President and Lok Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q172. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Rabindranath Tagore
- (C) Subramania Bharati
- (D) Bankim Chandra Chattopadhyay

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q173. Which gas is most abundant in Earth's atmosphere?

- (A) Nitrogen
- (B) Oxygen
- (C) Carbon dioxide
- (D) Hydrogen

Answer: A

Explanation: Nitrogen is about 78% of the atmosphere.

Q174. The chemical symbol for sodium is

- (A) N
- (B) So
- (C) Na
- (D) S

Answer: C

Explanation: Na comes from the Latin name natrium.

Q175. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Red blood cells
- (C) Platelets
- (D) White blood cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q176. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) Lok Sabha only
- (C) Lok Sabha and Rajya Sabha only
- (D) President, Lok Sabha and Rajya Sabha

Answer: D

Explanation: Article 79 provides for the President and the two Houses.

Q177. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Nucleus
- (C) Mitochondrion
- (D) Ribosome

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q178. The chemical symbol for sodium is

- (A) Na
- (B) So
- (C) N
- (D) S

Answer: A

Explanation: Na comes from the Latin name natrium.

Q179. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 26 November 1949
- (C) 15 August 1947
- (D) 2 October 1950

Answer: A

Explanation: It came into force on 26 January 1950.

Q180. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Chloroplast
- (C) Nucleus
- (D) Ribosome

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q181. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Chloroplast
- (C) Nucleus
- (D) Mitochondrion

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q182. Which gas is most abundant in Earth's atmosphere?

- (A) Oxygen
- (B) Nitrogen
- (C) Hydrogen
- (D) Carbon dioxide

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q183. The speed of light in vacuum is approximately

- (A) 3×10^{10} m/s
- (B) 3×10^8 m/s
- (C) 3×10^6 m/s
- (D) 3×10^5 m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q184. The chemical symbol for sodium is

- (A) S
- (B) N
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q185. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) Platelets
- (C) White blood cells
- (D) Plasma cells

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q186. The currency of Japan is

- (A) Won
- (B) Yuan
- (C) Dollar
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q187. The planet known as the Red Planet is

- (A) Mercury
- (B) Venus
- (C) Jupiter
- (D) Mars

Answer: D

Explanation: Mars appears reddish because of iron oxides on its surface.

Q188. Which blood cells primarily carry oxygen?

- (A) Red blood cells
- (B) Plasma cells
- (C) White blood cells
- (D) Platelets

Answer: A

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q189. The currency of Japan is

- (A) Yuan
- (B) Yen
- (C) Dollar
- (D) Won

Answer: B

Explanation: Japan uses the yen.

Q190. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^8 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^6 m/s

Answer: B

Explanation: The accepted approximate value is 3×10^8 m/s.

Q191. The largest ocean on Earth is

- (A) Indian Ocean
- (B) Arctic Ocean
- (C) Pacific Ocean
- (D) Atlantic Ocean

Answer: C

Explanation: The Pacific is Earth's largest ocean.

Q192. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Platelets
- (C) Red blood cells
- (D) White blood cells

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q193. The SI unit of force is

- (A) pascal
- (B) watt
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q194. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Ribosome
- (C) Chloroplast
- (D) Nucleus

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q195. The chemical symbol for sodium is

- (A) So
- (B) Na
- (C) S
- (D) N

Answer: B

Explanation: Na comes from the Latin name natrium.

Q196. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Plasma cells
- (C) Red blood cells
- (D) Platelets

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q197. The fundamental unit of life is

- (A) cell
- (B) tissue
- (C) organ
- (D) atom

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

Q198. Who wrote the Indian national anthem?

- (A) Bankim Chandra Chattopadhyay
- (B) Subramania Bharati
- (C) Sarojini Naidu
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q199. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Platelets
- (C) Red blood cells
- (D) White blood cells

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q200. The speed of light in vacuum is approximately

- (A) 3×10^5 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^6 m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q201. The longest river entirely within India is

- (A) Godavari
- (B) Yamuna
- (C) Narmada
- (D) Ganga

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q202. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Red blood cells
- (C) White blood cells
- (D) Platelets

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q203. The SI unit of force is

- (A) watt
- (B) pascal
- (C) joule
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q204. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Red blood cells
- (C) White blood cells
- (D) Plasma cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q205. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Arctic Ocean
- (C) Indian Ocean
- (D) Atlantic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q206. The planet known as the Red Planet is

- (A) Jupiter
- (B) Mercury
- (C) Venus
- (D) Mars

Answer: D

Explanation: Mars appears reddish because of iron oxides on its surface.

Q207. The Parliament of India consists of

- (A) President, Lok Sabha and Rajya Sabha
- (B) Lok Sabha only
- (C) Lok Sabha and Rajya Sabha only
- (D) President and Lok Sabha only

Answer: A

Explanation: Article 79 provides for the President and the two Houses.

Q208. The SI unit of force is

- (A) watt
- (B) pascal
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q209. The fundamental unit of life is

- (A) tissue
- (B) atom
- (C) cell
- (D) organ

Answer: C

Explanation: The cell is the basic structural and functional unit of life.

Q210. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Sarojini Naidu
- (C) Bankim Chandra Chattopadhyay
- (D) Subramania Bharati

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q211. The SI unit of force is

- (A) watt
- (B) pascal
- (C) joule
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q212. Photosynthesis mainly occurs in which cell organelle?

- (A) Mitochondrion
- (B) Chloroplast
- (C) Nucleus
- (D) Ribosome

Answer: B

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q213. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Ribosome
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q214. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 15 August 1947
- (C) 2 October 1950
- (D) 26 November 1949

Answer: A

Explanation: It came into force on 26 January 1950.

Q215. Who wrote the Indian national anthem?

- (A) Subramania Bharati
- (B) Rabindranath Tagore
- (C) Bankim Chandra Chattopadhyay
- (D) Sarojini Naidu

Answer: B

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q216. The chemical symbol for sodium is

- (A) N
- (B) Na
- (C) S
- (D) So

Answer: B

Explanation: Na comes from the Latin name natrium.

Q217. The longest river entirely within India is

- (A) Godavari
- (B) Yamuna
- (C) Ganga
- (D) Narmada

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q218. The fundamental unit of life is

- (A) organ
- (B) cell
- (C) tissue
- (D) atom

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q219. The currency of Japan is

- (A) Dollar
- (B) Yuan
- (C) Won
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q220. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 November 1949

Answer: A

Explanation: It came into force on 26 January 1950.

Q221. The fundamental unit of life is

- (A) organ
- (B) atom
- (C) tissue
- (D) cell

Answer: D

Explanation: The cell is the basic structural and functional unit of life.

Q222. Photosynthesis mainly occurs in which cell organelle?

- (A) Ribosome
- (B) Mitochondrion
- (C) Chloroplast
- (D) Nucleus

Answer: C

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q223. The currency of Japan is

- (A) Yen
- (B) Won
- (C) Dollar
- (D) Yuan

Answer: A

Explanation: Japan uses the yen.

Q224. The currency of Japan is

- (A) Yuan
- (B) Won
- (C) Yen
- (D) Dollar

Answer: C

Explanation: Japan uses the yen.

Q225. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 26 January 1950
- (C) 2 October 1950
- (D) 26 November 1949

Answer: B

Explanation: It came into force on 26 January 1950.

Q226. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q227. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Oxygen
- (C) Nitrogen
- (D) Carbon dioxide

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q228. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Rabindranath Tagore
- (D) Bankim Chandra Chattopadhyay

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q229. The largest ocean on Earth is

- (A) Pacific Ocean
- (B) Indian Ocean
- (C) Arctic Ocean
- (D) Atlantic Ocean

Answer: A

Explanation: The Pacific is Earth's largest ocean.

Q230. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) White blood cells
- (C) Red blood cells
- (D) Plasma cells

Answer: C

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q231. The chemical symbol for sodium is

- (A) N
- (B) So
- (C) S
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q232. The chemical symbol for sodium is

- (A) Na
- (B) So
- (C) N
- (D) S

Answer: A

Explanation: Na comes from the Latin name natrium.

Q233. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Arctic Ocean
- (C) Indian Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q234. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 26 January 1950
- (C) 15 August 1947
- (D) 26 November 1949

Answer: B

Explanation: It came into force on 26 January 1950.

Q235. The SI unit of force is

- (A) newton
- (B) joule
- (C) pascal
- (D) watt

Answer: A

Explanation: Force is measured in newtons (N).

Q236. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Bankim Chandra Chattopadhyay
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q237. The capital of India is

- (A) New Delhi
- (B) Kolkata
- (C) Chennai
- (D) Mumbai

Answer: A

Explanation: New Delhi is the capital of India.

Q238. The capital of India is

- (A) Kolkata
- (B) Chennai
- (C) New Delhi
- (D) Mumbai

Answer: C

Explanation: New Delhi is the capital of India.

Q239. The chemical symbol for sodium is

- (A) Na
- (B) N
- (C) So
- (D) S

Answer: A

Explanation: Na comes from the Latin name natrium.

Q240. The chemical symbol for sodium is

- (A) N
- (B) So
- (C) S
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q241. Who wrote the Indian national anthem?

- (A) Bankim Chandra Chattopadhyay
- (B) Sarojini Naidu
- (C) Subramania Bharati
- (D) Rabindranath Tagore

Answer: D

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q242. The longest river entirely within India is

- (A) Godavari
- (B) Yamuna
- (C) Narmada
- (D) Ganga

Answer: A

Explanation: Godavari is the longest river flowing entirely within India.

Q243. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Nucleus
- (C) Ribosome
- (D) Mitochondrion

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q244. Which blood cells primarily carry oxygen?

- (A) Plasma cells
- (B) Red blood cells
- (C) White blood cells
- (D) Platelets

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q245. The currency of Japan is

- (A) Yuan
- (B) Dollar
- (C) Won
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q246. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^5 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q247. The fundamental unit of life is

- (A) cell
- (B) organ
- (C) tissue
- (D) atom

Answer: A

Explanation: The cell is the basic structural and functional unit of life.

Q248. The longest river entirely within India is

- (A) Yamuna
- (B) Narmada
- (C) Ganga
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q249. Who wrote the Indian national anthem?

- (A) Sarojini Naidu
- (B) Subramania Bharati
- (C) Rabindranath Tagore
- (D) Bankim Chandra Chattopadhyay

Answer: C

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q250. The Constitution of India came into force on

- (A) 26 January 1950
- (B) 15 August 1947
- (C) 2 October 1950
- (D) 26 November 1949

Answer: A

Explanation: It came into force on 26 January 1950.

Q251. The SI unit of force is

- (A) newton
- (B) watt
- (C) joule
- (D) pascal

Answer: A

Explanation: Force is measured in newtons (N).

Q252. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Hydrogen
- (D) Oxygen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q253. The SI unit of force is

- (A) newton
- (B) watt
- (C) joule
- (D) pascal

Answer: A

Explanation: Force is measured in newtons (N).

Q254. The chemical symbol for sodium is

- (A) So
- (B) S
- (C) N
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q255. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) Lok Sabha only
- (C) President, Lok Sabha and Rajya Sabha
- (D) Lok Sabha and Rajya Sabha only

Answer: C

Explanation: Article 79 provides for the President and the two Houses.

Q256. The capital of India is

- (A) New Delhi
- (B) Kolkata
- (C) Mumbai
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q257. Which blood cells primarily carry oxygen?

- (A) White blood cells
- (B) Plasma cells
- (C) Platelets
- (D) Red blood cells

Answer: D

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q258. Photosynthesis mainly occurs in which cell organelle?

- (A) Chloroplast
- (B) Ribosome
- (C) Mitochondrion
- (D) Nucleus

Answer: A

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q259. Which gas is most abundant in Earth's atmosphere?

- (A) Carbon dioxide
- (B) Nitrogen
- (C) Oxygen
- (D) Hydrogen

Answer: B

Explanation: Nitrogen is about 78% of the atmosphere.

Q260. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 26 November 1949
- (C) 26 January 1950
- (D) 2 October 1950

Answer: C

Explanation: It came into force on 26 January 1950.

Q261. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Arctic Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q262. The SI unit of force is

- (A) pascal
- (B) watt
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q263. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 2 October 1950
- (C) 15 August 1947
- (D) 26 January 1950

Answer: D

Explanation: It came into force on 26 January 1950.

Q264. The largest ocean on Earth is

- (A) Arctic Ocean
- (B) Indian Ocean
- (C) Atlantic Ocean
- (D) Pacific Ocean

Answer: D

Explanation: The Pacific is Earth's largest ocean.

Q265. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Arctic Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q266. The Parliament of India consists of

- (A) President, Lok Sabha and Rajya Sabha
- (B) Lok Sabha only
- (C) President and Lok Sabha only
- (D) Lok Sabha and Rajya Sabha only

Answer: A

Explanation: Article 79 provides for the President and the two Houses.

Q267. The currency of Japan is

- (A) Yen
- (B) Dollar
- (C) Yuan
- (D) Won

Answer: A

Explanation: Japan uses the yen.

Q268. The Constitution of India came into force on

- (A) 2 October 1950
- (B) 15 August 1947
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q269. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^{10} m/s
- (C) 3×10^5 m/s
- (D) 3×10^8 m/s

Answer: D

Explanation: The accepted approximate value is 3×10^8 m/s.

Q270. The speed of light in vacuum is approximately

- (A) 3×10^{10} m/s
- (B) 3×10^5 m/s
- (C) 3×10^8 m/s
- (D) 3×10^6 m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q271. Which blood cells primarily carry oxygen?

- (A) Platelets
- (B) Red blood cells
- (C) White blood cells
- (D) Plasma cells

Answer: B

Explanation: Red blood cells contain haemoglobin, which carries oxygen.

Q272. The SI unit of force is

- (A) watt
- (B) pascal
- (C) newton
- (D) joule

Answer: C

Explanation: Force is measured in newtons (N).

Q273. Photosynthesis mainly occurs in which cell organelle?

- (A) Nucleus
- (B) Ribosome
- (C) Mitochondrion
- (D) Chloroplast

Answer: D

Explanation: Chloroplasts contain chlorophyll and carry out photosynthesis.

Q274. The fundamental unit of life is

- (A) atom
- (B) cell
- (C) organ
- (D) tissue

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q275. The longest river entirely within India is

- (A) Ganga
- (B) Narmada
- (C) Godavari
- (D) Yamuna

Answer: C

Explanation: Godavari is the longest river flowing entirely within India.

Q276. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Oxygen
- (C) Nitrogen
- (D) Carbon dioxide

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q277. The longest river entirely within India is

- (A) Narmada
- (B) Ganga
- (C) Yamuna
- (D) Godavari

Answer: D

Explanation: Godavari is the longest river flowing entirely within India.

Q278. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha and Rajya Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q279. The longest river entirely within India is

- (A) Narmada
- (B) Yamuna
- (C) Godavari
- (D) Ganga

Answer: C

Explanation: Godavari is the longest river flowing entirely within India.

Q280. The largest ocean on Earth is

- (A) Atlantic Ocean
- (B) Pacific Ocean
- (C) Indian Ocean
- (D) Arctic Ocean

Answer: B

Explanation: The Pacific is Earth's largest ocean.

Q281. The capital of India is

- (A) New Delhi
- (B) Mumbai
- (C) Chennai
- (D) Kolkata

Answer: A

Explanation: New Delhi is the capital of India.

Q282. The fundamental unit of life is

- (A) organ
- (B) atom
- (C) cell
- (D) tissue

Answer: C

Explanation: The cell is the basic structural and functional unit of life.

Q283. The capital of India is

- (A) Kolkata
- (B) Mumbai
- (C) New Delhi
- (D) Chennai

Answer: C

Explanation: New Delhi is the capital of India.

Q284. The capital of India is

- (A) New Delhi
- (B) Kolkata
- (C) Mumbai
- (D) Chennai

Answer: A

Explanation: New Delhi is the capital of India.

Q285. The chemical symbol for sodium is

- (A) N
- (B) S
- (C) So
- (D) Na

Answer: D

Explanation: Na comes from the Latin name natrium.

Q286. The speed of light in vacuum is approximately

- (A) 3×10^6 m/s
- (B) 3×10^5 m/s
- (C) 3×10^8 m/s
- (D) 3×10^{10} m/s

Answer: C

Explanation: The accepted approximate value is 3×10^8 m/s.

Q287. The Constitution of India came into force on

- (A) 26 November 1949
- (B) 2 October 1950
- (C) 26 January 1950
- (D) 15 August 1947

Answer: C

Explanation: It came into force on 26 January 1950.

Q288. The speed of light in vacuum is approximately

- (A) 3×10^8 m/s
- (B) 3×10^5 m/s
- (C) 3×10^{10} m/s
- (D) 3×10^6 m/s

Answer: A

Explanation: The accepted approximate value is 3×10^8 m/s.

Q289. The capital of India is

- (A) Mumbai
- (B) Chennai
- (C) New Delhi
- (D) Kolkata

Answer: C

Explanation: New Delhi is the capital of India.

Q290. Who wrote the Indian national anthem?

- (A) Rabindranath Tagore
- (B) Sarojini Naidu
- (C) Bankim Chandra Chattopadhyay
- (D) Subramania Bharati

Answer: A

Explanation: Rabindranath Tagore wrote Jana Gana Mana.

Q291. The Parliament of India consists of

- (A) President, Lok Sabha and Rajya Sabha
- (B) Lok Sabha only
- (C) Lok Sabha and Rajya Sabha only
- (D) President and Lok Sabha only

Answer: A

Explanation: Article 79 provides for the President and the two Houses.

Q292. The Constitution of India came into force on

- (A) 15 August 1947
- (B) 2 October 1950
- (C) 26 January 1950
- (D) 26 November 1949

Answer: C

Explanation: It came into force on 26 January 1950.

Q293. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha and Rajya Sabha only
- (D) Lok Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q294. The currency of Japan is

- (A) Dollar
- (B) Won
- (C) Yuan
- (D) Yen

Answer: D

Explanation: Japan uses the yen.

Q295. The SI unit of force is

- (A) joule
- (B) pascal
- (C) watt
- (D) newton

Answer: D

Explanation: Force is measured in newtons (N).

Q296. The capital of India is

- (A) Chennai
- (B) Kolkata
- (C) New Delhi
- (D) Mumbai

Answer: C

Explanation: New Delhi is the capital of India.

Q297. The Parliament of India consists of

- (A) President and Lok Sabha only
- (B) President, Lok Sabha and Rajya Sabha
- (C) Lok Sabha only
- (D) Lok Sabha and Rajya Sabha only

Answer: B

Explanation: Article 79 provides for the President and the two Houses.

Q298. Which gas is most abundant in Earth's atmosphere?

- (A) Hydrogen
- (B) Carbon dioxide
- (C) Nitrogen
- (D) Oxygen

Answer: C

Explanation: Nitrogen is about 78% of the atmosphere.

Q299. The fundamental unit of life is

- (A) organ
- (B) cell
- (C) atom
- (D) tissue

Answer: B

Explanation: The cell is the basic structural and functional unit of life.

Q300. The chemical symbol for sodium is

- (A) Na
- (B) N
- (C) S
- (D) So

Answer: A

Explanation: Na comes from the Latin name natrium.

Engineering Aptitude & Logical Reasoning

Q301. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q302. Find the next number: 17, 23, 29, 35, 41, ?

- (A) 41
- (B) 53
- (C) 59
- (D) 47

Answer: D

Explanation: The sequence increases by 6 each time, so the next number is $41 + 6 = 47$.

Q303. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q304. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) LIAR
- (C) SBJM
- (D) TCKN

Answer: C

Explanation: Shift each letter forward by one: RAIL $\rightarrow$ SBJM.

Q305. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q306. Find the next number: 14, 16, 18, 20, 22, ?

- (A) 22
- (B) 24
- (C) 28
- (D) 26

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $22 + 2 = 24$.

Q307. Find the next number: 4, 13, 22, 31, 40, ?

- (A) 40
- (B) 49
- (C) 67
- (D) 58

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $40 + 9 = 49$.

Q308. A person walks 10 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 6
- (B) 12.77
- (C) 10.77
- (D) 14

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 4^2} = 10.77$ km.

Q309. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q310. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) EDOC
- (C) DPEF
- (D) EQFG

Answer: C

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q311. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q312. Find the next number: 5, 8, 11, 14, 17, ?

- (A) 17
- (B) 20
- (C) 23
- (D) 26

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $17 + 3 = 20$.

Q313. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q314. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q315. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) EDOC
- (C) EQFG
- (D) CODE

Answer: A

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q316. A person walks 3 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 7.62
- (B) 10
- (C) 9.62
- (D) 4

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 7^2} = 7.62$ km.

Q317. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q318. Find the next number: 8, 13, 18, 23, 28, ?

- (A) 43
- (B) 33
- (C) 38
- (D) 28

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $28 + 5 = 33$.

Q319. Find the next number: 7, 13, 19, 25, 31, ?

- (A) 37
- (B) 31
- (C) 43
- (D) 49

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $31 + 6 = 37$.

Q320. Find the next number: 15, 19, 23, 27, 31, ?

- (A) 43
- (B) 31
- (C) 35
- (D) 39

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $31 + 4 = 35$.

Q321. Find the next number: 15, 19, 23, 27, 31, ?

- (A) 31
- (B) 43
- (C) 35
- (D) 39

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $31 + 4 = 35$.

Q322. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q323. A person walks 4 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 7
- (B) 1
- (C) 7.0
- (D) 5.0

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 3^2} = 5.0$ km.

Q324. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) GOD
- (C) DOG
- (D) FQI

Answer: A

Explanation: Shift each letter forward by one: DOG $\rightarrow$ EPH.

Q325. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) GOD
- (B) FQI
- (C) DOG
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG → EPH.

Q326. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 9.49
- (B) 11.49
- (C) 6
- (D) 12

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q327. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 6
- (B) 9.49
- (C) 12
- (D) 11.49

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q328. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) TCKN
- (C) SBJM
- (D) RAIL

Answer: C

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q329. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q330. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q331. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 8.71
- (B) 9
- (C) 6.71
- (D) 3

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 6^2} = 6.71$ km.

Q332. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q333. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q334. Find the next number: 17, 21, 25, 29, 33, ?

- (A) 33
- (B) 41
- (C) 45
- (D) 37

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $33 + 4 = 37$.

Q335. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) GOD
- (C) FQI
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG $\rightarrow$ EPH.

Q336. Find the next number: 18, 21, 24, 27, 30, ?

- (A) 39
- (B) 33
- (C) 36
- (D) 30

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $30 + 3 = 33$.

Q337. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q338. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q339. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q340. Find the next number: 18, 27, 36, 45, 54, ?

- (A) 72
- (B) 54
- (C) 81
- (D) 63

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $54 + 9 = 63$.

Q341. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q342. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 6.71
- (B) 8.71
- (C) 9
- (D) 3

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 6^2} = 6.71$ km.

Q343. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q344. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q345. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 9
- (B) 3
- (C) 6.71
- (D) 8.71

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 6^2} = 6.71$ km.

Q346. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 5.83
- (B) 2
- (C) 7.83
- (D) 8

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 5^2} = 5.83$ km.

Q347. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) HTAM
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q348. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q349. Find the next number: 19, 23, 27, 31, 35, ?

- (A) 35
- (B) 39
- (C) 47
- (D) 43

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $35 + 4 = 39$.

Q350. Find the next number: 12, 16, 20, 24, 28, ?

- (A) 32
- (B) 28
- (C) 36
- (D) 40

Answer: A

Explanation: The sequence increases by 4 each time, so the next number is $28 + 4 = 32$.

Q351. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q352. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q353. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q354. A person walks 7 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 10.63
- (B) 12.63
- (C) 15
- (D) 1

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 8^2} = 10.63$ km.

Q355. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q356. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q357. Find the next number: 20, 26, 32, 38, 44, ?

- (A) 62
- (B) 50
- (C) 56
- (D) 44

Answer: B

Explanation: The sequence increases by 6 each time, so the next number is $44 + 6 = 50$.

Q358. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q359. A person walks 9 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 9.85
- (B) 11.85
- (C) 13
- (D) 5

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 4^2} = 9.85$ km.

Q360. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q361. Find the next number: 2, 11, 20, 29, 38, ?

- (A) 56
- (B) 47
- (C) 65
- (D) 38

Answer: B

Explanation: The sequence increases by 9 each time, so the next number is $38 + 9 = 47$.

Q362. Find the next number: 18, 26, 34, 42, 50, ?

- (A) 58
- (B) 66
- (C) 74
- (D) 50

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $50 + 8 = 58$.

Q363. A person walks 6 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 3
- (B) 9
- (C) 6.71
- (D) 8.71

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 3^2} = 6.71$ km.

Q364. Find the next number: 5, 7, 9, 11, 13, ?

- (A) 19
- (B) 17
- (C) 13
- (D) 15

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $13 + 2 = 15$.

Q365. Find the next number: 8, 13, 18, 23, 28, ?

- (A) 43
- (B) 38
- (C) 28
- (D) 33

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $28 + 5 = 33$.

Q366. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q367. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q368. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q369. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q370. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q371. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) KNAB
- (C) DCPM
- (D) BANK

Answer: A

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q372. Find the next number: 8, 11, 14, 17, 20, ?

- (A) 29
- (B) 26
- (C) 20
- (D) 23

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $20 + 3 = 23$.

Q373. A person walks 8 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 14.81
- (B) 2
- (C) 12.81
- (D) 18

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 10^2} = 12.81$ km.

Q374. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) DBU
- (C) CAT
- (D) ECV

Answer: B

Explanation: Shift each letter forward by one: CAT → DBU.

Q375. A person walks 4 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 9.21
- (B) 7.21
- (C) 10
- (D) 2

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 6^2} = 7.21$ km.

Q376. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q377. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q378. Find the next number: 9, 12, 15, 18, 21, ?

- (A) 27
- (B) 24
- (C) 30
- (D) 21

Answer: B

Explanation: The sequence increases by 3 each time, so the next number is $21 + 3 = 24$.

Q379. Find the next number: 8, 16, 24, 32, 40, ?

- (A) 40
- (B) 56
- (C) 64
- (D) 48

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $40 + 8 = 48$.

Q380. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q381. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) NBUI
- (C) MATH
- (D) OCVJ

Answer: B

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q382. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q383. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q384. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q385. Find the next number: 5, 13, 21, 29, 37, ?

- (A) 45
- (B) 53
- (C) 37
- (D) 61

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $37 + 8 = 45$.

Q386. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) CBOL
- (B) KNAB
- (C) DCPM
- (D) BANK

Answer: A

Explanation: Shift each letter forward by one: BANK $\rightarrow$ CBOL.

Q387. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) CODE
- (B) DPEF
- (C) EQFG
- (D) EDOC

Answer: B

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q388. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q389. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q390. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) SBJM
- (C) TCKN
- (D) RAIL

Answer: B

Explanation: Shift each letter forward by one: RAIL $\rightarrow$ SBJM.

Q391. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q392. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q393. Find the next number: 13, 15, 17, 19, 21, ?

- (A) 25
- (B) 23
- (C) 21
- (D) 27

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $21 + 2 = 23$.

Q394. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q395. A person walks 4 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 14
- (B) 6
- (C) 10.77
- (D) 12.77

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 10^2} = 10.77$ km.

Q396. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) HTAM
- (C) NBUI
- (D) MATH

Answer: C

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q397. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q398. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q399. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q400. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) CBOL
- (C) DCPM
- (D) BANK

Answer: B

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q401. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) LIAR
- (C) TCKN
- (D) SBJM

Answer: D

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q402. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q403. Find the next number: 6, 8, 10, 12, 14, ?

- (A) 18
- (B) 14
- (C) 16
- (D) 20

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $14 + 2 = 16$.

Q404. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q405. Find the next number: 16, 22, 28, 34, 40, ?

- (A) 52
- (B) 40
- (C) 46
- (D) 58

Answer: C

Explanation: The sequence increases by 6 each time, so the next number is $40 + 6 = 46$.

Q406. Find the next number: 15, 21, 27, 33, 39, ?

- (A) 45
- (B) 51
- (C) 39
- (D) 57

Answer: A

Explanation: The sequence increases by 6 each time, so the next number is $39 + 6 = 45$.

Q407. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 11
- (B) 1
- (C) 7.81
- (D) 9.81

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q408. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q409. Find the next number: 3, 10, 17, 24, 31, ?

- (A) 45
- (B) 52
- (C) 38
- (D) 31

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $31 + 7 = 38$.

Q410. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) GOD
- (C) FQI
- (D) EPH

Answer: D

Explanation: Shift each letter forward by one: DOG $\rightarrow$ EPH.

Q411. A person walks 9 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 6
- (C) 11.49
- (D) 9.49

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 3^2} = 9.49$ km.

Q412. Find the next number: 20, 29, 38, 47, 56, ?

- (A) 56
- (B) 83
- (C) 74
- (D) 65

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $56 + 9 = 65$.

Q413. Find the next number: 10, 12, 14, 16, 18, ?

- (A) 18
- (B) 22
- (C) 24
- (D) 20

Answer: D

Explanation: The sequence increases by 2 each time, so the next number is $18 + 2 = 20$.

Q414. Find the next number: 10, 13, 16, 19, 22, ?

- (A) 22
- (B) 28
- (C) 31
- (D) 25

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $22 + 3 = 25$.

Q415. A person walks 8 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 8.94
- (C) 4
- (D) 10.94

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 4^2} = 8.94$ km.

Q416. Find the next number: 13, 20, 27, 34, 41, ?

- (A) 62
- (B) 55
- (C) 41
- (D) 48

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $41 + 7 = 48$.

Q417. A person walks 5 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12.3
- (B) 4
- (C) 10.3
- (D) 14

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 9^2} = 10.3$ km.

Q418. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) TAC
- (C) CAT
- (D) DBU

Answer: D

Explanation: Shift each letter forward by one: CAT → DBU.

Q419. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) EDOC
- (C) DPEF
- (D) CODE

Answer: C

Explanation: Shift each letter forward by one: CODE → DPEF.

Q420. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) NBUI
- (D) HTAM

Answer: C

Explanation: Shift each letter forward by one: MATH → NBUI.

Q421. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q422. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q423. Find the next number: 13, 21, 29, 37, 45, ?

- (A) 45
- (B) 61
- (C) 53
- (D) 69

Answer: C

Explanation: The sequence increases by 8 each time, so the next number is $45 + 8 = 53$.

Q424. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q425. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) CAT
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q426. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q427. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) LIAR
- (C) SBJM
- (D) TCKN

Answer: C

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q428. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) CBOL
- (C) KNAB
- (D) DCPM

Answer: B

Explanation: Shift each letter forward by one: BANK -> CBOL.

Q429. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) SBJM
- (C) TCKN
- (D) LIAR

Answer: B

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q430. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q431. Find the next number: 17, 25, 33, 41, 49, ?

- (A) 73
- (B) 57
- (C) 65
- (D) 49

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $49 + 8 = 57$.

Q432. A person walks 7 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 0
- (B) 11.9
- (C) 14
- (D) 9.9

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 7^2} = 9.9$ km.

Q433. Find the next number: 9, 13, 17, 21, 25, ?

- (A) 37
- (B) 29
- (C) 25
- (D) 33

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $25 + 4 = 29$.

Q434. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q435. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) RAIL
- (C) SBJM
- (D) LIAR

Answer: C

Explanation: Shift each letter forward by one: RAIL $\rightarrow$ SBJM.

Q436. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) LIAR
- (C) SBJM
- (D) TCKN

Answer: C

Explanation: Shift each letter forward by one: RAIL $\rightarrow$ SBJM.

Q437. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q438. A person walks 9 km north and then 8 km east. What is the straight-line distance from the starting point?

- (A) 12.04
- (B) 1
- (C) 17
- (D) 14.04

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 8^2} = 12.04$ km.

Q439. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q440. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q441. Find the next number: 2, 9, 16, 23, 30, ?

- (A) 51
- (B) 44
- (C) 30
- (D) 37

Answer: D

Explanation: The sequence increases by 7 each time, so the next number is $30 + 7 = 37$.

Q442. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q443. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q444. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) MATH
- (B) HTAM
- (C) OCVJ
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q445. Find the next number: 12, 21, 30, 39, 48, ?

- (A) 57
- (B) 66
- (C) 48
- (D) 75

Answer: A

Explanation: The sequence increases by 9 each time, so the next number is $48 + 9 = 57$.

Q446. Find the next number: 8, 16, 24, 32, 40, ?

- (A) 40
- (B) 56
- (C) 64
- (D) 48

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $40 + 8 = 48$.

Q447. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q448. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q449. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q450. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) CBOL
- (C) DCPM
- (D) KNAB

Answer: B

Explanation: Shift each letter forward by one: BANK $\rightarrow$ CBOL.

Q451. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 11.49
- (B) 9.49
- (C) 12
- (D) 6

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q452. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) EQFG
- (C) CODE
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q453. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q454. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) MATH
- (B) OCVJ
- (C) NBUI
- (D) HTAM

Answer: C

Explanation: Shift each letter forward by one: MATH → NBUI.

Q455. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q456. Find the next number: 7, 10, 13, 16, 19, ?

- (A) 28
- (B) 19
- (C) 25
- (D) 22

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $19 + 3 = 22$.

Q457. Find the next number: 20, 27, 34, 41, 48, ?

- (A) 55
- (B) 48
- (C) 62
- (D) 69

Answer: A

Explanation: The sequence increases by 7 each time, so the next number is $48 + 7 = 55$.

Q458. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q459. Find the next number: 15, 17, 19, 21, 23, ?

- (A) 29
- (B) 25
- (C) 27
- (D) 23

Answer: B

Explanation: The sequence increases by 2 each time, so the next number is $23 + 2 = 25$.

Q460. Find the next number: 6, 14, 22, 30, 38, ?

- (A) 62
- (B) 38
- (C) 54
- (D) 46

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $38 + 8 = 46$.

Q461. A person walks 6 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 10
- (C) 7.21
- (D) 9.21

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 4^2} = 7.21$ km.

Q462. Find the next number: 19, 28, 37, 46, 55, ?

- (A) 73
- (B) 82
- (C) 55
- (D) 64

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $55 + 9 = 64$.

Q463. Find the next number: 6, 13, 20, 27, 34, ?

- (A) 34
- (B) 55
- (C) 41
- (D) 48

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $34 + 7 = 41$.

Q464. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) EQFG
- (C) CODE
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q465. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q466. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q467. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) DOG
- (B) EPH
- (C) FQI
- (D) GOD

Answer: B

Explanation: Shift each letter forward by one: DOG $\rightarrow$ EPH.

Q468. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q469. Find the next number: 14, 17, 20, 23, 26, ?

- (A) 26
- (B) 32
- (C) 29
- (D) 35

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $26 + 3 = 29$.

Q470. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q471. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q472. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q473. Find the next number: 11, 19, 27, 35, 43, ?

- (A) 51
- (B) 67
- (C) 59
- (D) 43

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $43 + 8 = 51$.

Q474. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q475. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q476. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q477. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q478. Find the next number: 14, 19, 24, 29, 34, ?

- (A) 39
- (B) 44
- (C) 34
- (D) 49

Answer: A

Explanation: The sequence increases by 5 each time, so the next number is $34 + 5 = 39$.

Q479. A person walks 7 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 9.62
- (B) 10
- (C) 4
- (D) 7.62

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 3^2} = 7.62$ km.

Q480. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q481. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q482. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q483. Find the next number: 19, 21, 23, 25, 27, ?

- (A) 27
- (B) 33
- (C) 29
- (D) 31

Answer: C

Explanation: The sequence increases by 2 each time, so the next number is $27 + 2 = 29$.

Q484. Find the next number: 20, 25, 30, 35, 40, ?

- (A) 40
- (B) 45
- (C) 50
- (D) 55

Answer: B

Explanation: The sequence increases by 5 each time, so the next number is $40 + 5 = 45$.

Q485. Find the next number: 14, 18, 22, 26, 30, ?

- (A) 30
- (B) 42
- (C) 38
- (D) 34

Answer: D

Explanation: The sequence increases by 4 each time, so the next number is $30 + 4 = 34$.

Q486. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q487. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EQFG
- (B) CODE
- (C) EDOC
- (D) DPEF

Answer: D

Explanation: Shift each letter forward by one: CODE → DPEF.

Q488. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q489. Find the next number: 2, 10, 18, 26, 34, ?

- (A) 42
- (B) 58
- (C) 34
- (D) 50

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $34 + 8 = 42$.

Q490. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 12.21
- (B) 14.21
- (C) 17
- (D) 3

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q491. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) CODE
- (C) EQFG
- (D) EDOC

Answer: A

Explanation: Shift each letter forward by one: CODE → DPEF.

Q492. A person walks 6 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 10
- (B) 7.21
- (C) 2
- (D) 9.21

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 4^2} = 7.21$ km.

Q493. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 2
- (B) 5.83
- (C) 8
- (D) 7.83

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 5^2} = 5.83$ km.

Q494. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q495. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q496. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) OCVJ
- (C) MATH
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q497. Find the next number: 17, 21, 25, 29, 33, ?

- (A) 45
- (B) 37
- (C) 41
- (D) 33

Answer: B

Explanation: The sequence increases by 4 each time, so the next number is $33 + 4 = 37$.

Q498. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) OCVJ
- (B) MATH
- (C) HTAM
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q499. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q500. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q501. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) LIAR
- (B) SBJM
- (C) TCKN
- (D) RAIL

Answer: B

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q502. Find the next number: 2, 10, 18, 26, 34, ?

- (A) 50
- (B) 58
- (C) 34
- (D) 42

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $34 + 8 = 42$.

Q503. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) TAC
- (B) ECV
- (C) DBU
- (D) CAT

Answer: C

Explanation: Shift each letter forward by one: CAT -> DBU.

Q504. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) OCVJ
- (C) HTAM
- (D) MATH

Answer: A

Explanation: Shift each letter forward by one: MATH -> NBUI.

Q505. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q506. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q507. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q508. A person walks 3 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 6.71
- (B) 9
- (C) 3
- (D) 8.71

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 6^2} = 6.71$ km.

Q509. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q510. A person walks 7 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 2
- (C) 10.6
- (D) 8.6

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 5^2} = 8.6$ km.

Q511. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q512. A person walks 8 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 15
- (B) 10.63
- (C) 1
- (D) 12.63

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 7^2} = 10.63$ km.

Q513. Find the next number: 5, 12, 19, 26, 33, ?

- (A) 47
- (B) 40
- (C) 54
- (D) 33

Answer: B

Explanation: The sequence increases by 7 each time, so the next number is $33 + 7 = 40$.

Q514. Find the next number: 2, 5, 8, 11, 14, ?

- (A) 20
- (B) 23
- (C) 14
- (D) 17

Answer: D

Explanation: The sequence increases by 3 each time, so the next number is $14 + 3 = 17$.

Q515. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q516. A person walks 10 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 19
- (B) 13.45
- (C) 15.45
- (D) 1

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 9^2} = 13.45$ km.

Q517. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q518. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q519. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 11.85
- (B) 9.85
- (C) 5
- (D) 13

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q520. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q521. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) HTAM
- (C) OCVJ
- (D) MATH

Answer: A

Explanation: Shift each letter forward by one: MATH → NBUI.

Q522. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 7.83
- (B) 5.83
- (C) 8
- (D) 2

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 5^2} = 5.83$ km.

Q523. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q524. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 11.49
- (C) 9.49
- (D) 6

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q525. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) NBUI
- (B) HTAM
- (C) MATH
- (D) OCVJ

Answer: A

Explanation: Shift each letter forward by one: MATH $\rightarrow$ NBUI.

Q526. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q527. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q528. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 10.06
- (B) 11
- (C) 3
- (D) 8.06

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 7^2} = 8.06$ km.

Q529. A person walks 9 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 14
- (B) 4
- (C) 10.3
- (D) 12.3

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 5^2} = 10.3$ km.

Q530. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q531. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q532. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q533. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) DBU
- (B) ECV
- (C) TAC
- (D) CAT

Answer: A

Explanation: Shift each letter forward by one: CAT → DBU.

Q534. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q535. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q536. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q537. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q538. A person walks 4 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 10.06
- (B) 8.06
- (C) 11
- (D) 3

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 7^2} = 8.06$ km.

Q539. A person walks 3 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 7.83
- (B) 8
- (C) 5.83
- (D) 2

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 5^2} = 5.83$ km.

Q540. A person walks 5 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 11.18
- (B) 15
- (C) 5
- (D) 13.18

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q541. Choose the odd one out.

- (A) Apple
- (B) Banana
- (C) Mango
- (D) Carrot

Answer: D

Explanation: The first three are fruits; carrot is a vegetable.

Q542. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q543. A person walks 3 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 12
- (B) 9.49
- (C) 6
- (D) 11.49

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 9^2} = 9.49$ km.

Q544. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q545. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) EDOC
- (B) DPEF
- (C) CODE
- (D) EQFG

Answer: B

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q546. Find the next number: 12, 16, 20, 24, 28, ?

- (A) 40
- (B) 28
- (C) 32
- (D) 36

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $28 + 4 = 32$.

Q547. A person walks 8 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 10.54
- (B) 5
- (C) 8.54
- (D) 11

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{8^2 + 3^2} = 8.54$ km.

Q548. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q549. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q550. Find the next number: 7, 12, 17, 22, 27, ?

- (A) 37
- (B) 27
- (C) 42
- (D) 32

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $27 + 5 = 32$.

Q551. A person walks 4 km north and then 3 km east. What is the straight-line distance from the starting point?

- (A) 5.0
- (B) 7.0
- (C) 1
- (D) 7

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 3^2} = 5.0$ km.

Q552. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q553. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) TCKN
- (B) RAIL
- (C) SBJM
- (D) LIAR

Answer: C

Explanation: Shift each letter forward by one: RAIL -> SBJM.

Q554. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q555. Statements: All cats are animals. Some animals are wild. Conclusion: Some cats are wild.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: B

Explanation: The wild animals need not be cats.

Q556. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) ECV
- (B) DBU
- (C) CAT
- (D) TAC

Answer: B

Explanation: Shift each letter forward by one: CAT -> DBU.

Q557. If each letter is replaced by the next letter of the alphabet, how is DOG coded?

- (A) EPH
- (B) FQI
- (C) DOG
- (D) GOD

Answer: A

Explanation: Shift each letter forward by one: DOG -> EPH.

Q558. A person walks 6 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 9.81
- (B) 1
- (C) 11
- (D) 7.81

Answer: D

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 5^2} = 7.81$ km.

Q559. Find the next number: 12, 19, 26, 33, 40, ?

- (A) 54
- (B) 61
- (C) 47
- (D) 40

Answer: C

Explanation: The sequence increases by 7 each time, so the next number is $40 + 7 = 47$.

Q560. A person walks 5 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 13.18
- (B) 5
- (C) 11.18
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 10^2} = 11.18$ km.

Q561. A person walks 7 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 17
- (B) 14.21
- (C) 12.21
- (D) 3

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 10^2} = 12.21$ km.

Q562. Find the next number: 2, 10, 18, 26, 34, ?

- (A) 58
- (B) 50
- (C) 34
- (D) 42

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $34 + 8 = 42$.

Q563. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q564. Find the next number: 17, 25, 33, 41, 49, ?

- (A) 57
- (B) 49
- (C) 73
- (D) 65

Answer: A

Explanation: The sequence increases by 8 each time, so the next number is $49 + 8 = 57$.

Q565. A person walks 7 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 11.9
- (B) 9.9
- (C) 14
- (D) 0

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{7^2 + 7^2} = 9.9$ km.

Q566. A person walks 4 km north and then 9 km east. What is the straight-line distance from the starting point?

- (A) 11.85
- (B) 9.85
- (C) 5
- (D) 13

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{4^2 + 9^2} = 9.85$ km.

Q567. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Q568. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q569. Find the next number: 16, 25, 34, 43, 52, ?

- (A) 52
- (B) 79
- (C) 61
- (D) 70

Answer: C

Explanation: The sequence increases by 9 each time, so the next number is $52 + 9 = 61$.

Q570. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) BANK
- (B) CBOL
- (C) KNAB
- (D) DCPM

Answer: B

Explanation: Shift each letter forward by one: BANK → CBOL.

Q571. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) RAIL
- (B) TCKN
- (C) SBJM
- (D) LIAR

Answer: C

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q572. Find the next number: 12, 16, 20, 24, 28, ?

- (A) 28
- (B) 36
- (C) 32
- (D) 40

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $28 + 4 = 32$.

Q573. A person walks 10 km north and then 5 km east. What is the straight-line distance from the starting point?

- (A) 13.18
- (B) 5
- (C) 11.18
- (D) 15

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{10^2 + 5^2} = 11.18$ km.

Q574. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) MATH
- (C) OCVJ
- (D) NBUI

Answer: D

Explanation: Shift each letter forward by one: MATH → NBUI.

Q575. Find the next number: 13, 18, 23, 28, 33, ?

- (A) 33
- (B) 43
- (C) 48
- (D) 38

Answer: D

Explanation: The sequence increases by 5 each time, so the next number is $33 + 5 = 38$.

Q576. If each letter is replaced by the next letter of the alphabet, how is MATH coded?

- (A) HTAM
- (B) OCVJ
- (C) NBUI
- (D) MATH

Answer: C

Explanation: Shift each letter forward by one: MATH → NBUI.

Q577. A person walks 3 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 7
- (C) 5.0
- (D) 7.0

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{3^2 + 4^2} = 5.0$ km.

Q578. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) ECV
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q579. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q580. A person walks 9 km north and then 6 km east. What is the straight-line distance from the starting point?

- (A) 10.82
- (B) 3
- (C) 15
- (D) 12.82

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 6^2} = 10.82$ km.

Q581. If each letter is replaced by the next letter of the alphabet, how is RAIL coded?

- (A) SBJM
- (B) LIAR
- (C) RAIL
- (D) TCKN

Answer: A

Explanation: Shift each letter forward by one: RAIL → SBJM.

Q582. Find the next number: 12, 20, 28, 36, 44, ?

- (A) 44
- (B) 60
- (C) 68
- (D) 52

Answer: D

Explanation: The sequence increases by 8 each time, so the next number is $44 + 8 = 52$.

Q583. A person walks 9 km north and then 10 km east. What is the straight-line distance from the starting point?

- (A) 19
- (B) 1
- (C) 13.45
- (D) 15.45

Answer: C

Explanation: By Pythagoras, distance = $\sqrt{9^2 + 10^2} = 13.45$ km.

Q584. Choose the odd one out.

- (A) Square
- (B) Triangle
- (C) Circle
- (D) Cube

Answer: D

Explanation: The first three are two-dimensional figures; cube is three-dimensional.

Q585. Statements: No squares are circles. Some figures are squares. Conclusion: Some figures are not circles.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: Any figure that is a square cannot be a circle.

Q586. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q587. A person walks 6 km north and then 7 km east. What is the straight-line distance from the starting point?

- (A) 1
- (B) 9.22
- (C) 13
- (D) 11.22

Answer: B

Explanation: By Pythagoras, distance = $\sqrt{6^2 + 7^2} = 9.22$ km.

Q588. Find the next number: 12, 21, 30, 39, 48, ?

- (A) 48
- (B) 75
- (C) 66
- (D) 57

Answer: D

Explanation: The sequence increases by 9 each time, so the next number is $48 + 9 = 57$.

Q589. Statements: All pens are stationery. All stationery items are useful. Conclusion: All pens are useful.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: This follows directly by transitivity.

Q590. Find the next number: 18, 21, 24, 27, 30, ?

- (A) 30
- (B) 39
- (C) 33
- (D) 36

Answer: C

Explanation: The sequence increases by 3 each time, so the next number is $30 + 3 = 33$.

Q591. Find the next number: 16, 20, 24, 28, 32, ?

- (A) 40
- (B) 44
- (C) 36
- (D) 32

Answer: C

Explanation: The sequence increases by 4 each time, so the next number is $32 + 4 = 36$.

Q592. If each letter is replaced by the next letter of the alphabet, how is CODE coded?

- (A) DPEF
- (B) CODE
- (C) EDOC
- (D) EQFG

Answer: A

Explanation: Shift each letter forward by one: CODE $\rightarrow$ DPEF.

Q593. Statements: Some books are red. All red things are bright. Conclusion: Some books are bright.

- (A) Follows
- (B) Does not follow
- (C) Both follow
- (D) Cannot be determined

Answer: A

Explanation: The red books are bright, so some books are bright.

Q594. A person walks 5 km north and then 4 km east. What is the straight-line distance from the starting point?

- (A) 6.4
- (B) 8.4
- (C) 1
- (D) 9

Answer: A

Explanation: By Pythagoras, distance = $\sqrt{5^2 + 4^2} = 6.4$ km.

Q595. Find the next number: 5, 13, 21, 29, 37, ?

- (A) 37
- (B) 45
- (C) 53
- (D) 61

Answer: B

Explanation: The sequence increases by 8 each time, so the next number is $37 + 8 = 45$.

Q596. If each letter is replaced by the next letter of the alphabet, how is CAT coded?

- (A) CAT
- (B) ECV
- (C) DBU
- (D) TAC

Answer: C

Explanation: Shift each letter forward by one: CAT → DBU.

Q597. If each letter is replaced by the next letter of the alphabet, how is BANK coded?

- (A) KNAB
- (B) DCPM
- (C) BANK
- (D) CBOL

Answer: D

Explanation: Shift each letter forward by one: BANK → CBOL.

Q598. Choose the odd one out.

- (A) Copper
- (B) Iron
- (C) Silver
- (D) Plastic

Answer: D

Explanation: The first three are metals; plastic is not a metal.

Q599. Choose the odd one out.

- (A) Delhi
- (B) Mumbai
- (C) Chennai
- (D) Nile

Answer: D

Explanation: The first three are Indian cities; Nile is a river.

Q600. Choose the odd one out.

- (A) January
- (B) March
- (C) May
- (D) Monday

Answer: D

Explanation: The first three are months; Monday is a day of the week.

Numerical / Mathematical Aptitude

Q601. Find the simple interest on Rs. 1000 at 5% per annum for 2 years.

- (A) 50
- (B) 200
- (C) 1
- (D) 100

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 5 \times 2}{100} = \text{Rs. } 100.$

Q602. Two quantities are in the ratio 2:3. If their total is 80, what is the first quantity?

- (A) 16
- (B) 80
- (C) 32
- (D) 48

Answer: C

Explanation: Total parts = 5. One part = $80/5 = 16$; first quantity = $2 \times 16 = 32.$

Q603. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 180.0
- (B) 160
- (C) 44
- (D) 10.0

Answer: B

Explanation: Distance = speed $\times$ time = $40 \times 4 = 160$ km.

Q604. A can finish a work in 6 days and B in 15 days. In how many days can they finish it together?

- (A) 4.29
- (B) 10.5
- (C) 10.0
- (D) 9

Answer: A

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{15} = \frac{21}{90}$; time = $\frac{90}{21} = 4.29$ days.

Q605. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

- (A) 180
- (B) 11.25
- (C) 49
- (D) 202.5

Answer: A

Explanation: Distance = speed $\times$ time = $45 \times 4 = 180$ km.

Q606. What is 5% of 320?

- (A) 0
- (B) 32.0
- (C) 16
- (D) 48.0

Answer: C

Explanation: 5% of 320 = $\frac{5}{100} \times 320 = 16.$

Q607. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?

- (A) 34
- (B) 51
- (C) 136
- (D) 85

Answer: B

Explanation: Total parts = 8. One part = $136/8 = 17$; first quantity = $3 \times 17 = 51$.

Q608. Find the average of 65, 70, 17, 77, 20.

- (A) 51.8
- (B) 47.8
- (C) 49.8
- (D) 62.2

Answer: C

Explanation: Average = sum / count = $249/5 = 49.8$.

Q609. An item costs Rs. 800. At a profit of 20%, what is the selling price?

- (A) 820
- (B) 840
- (C) 960
- (D) 640.0

Answer: C

Explanation: Selling price = $800 \times (1 + 20/100) = \text{Rs. } 960$.

Q610. Two quantities are in the ratio 4:5. If their total is 36, what is the first quantity?

- (A) 20
- (B) 4
- (C) 16
- (D) 36

Answer: C

Explanation: Total parts = 9. One part = $36/9 = 4$; first quantity = $4 \times 4 = 16$.

Q611. Find the average of 22, 10, 74, 24, 72.

- (A) 38.4
- (B) 40.4
- (C) 42.4
- (D) 50.5

Answer: B

Explanation: Average = sum / count = $202/5 = 40.4$.

Q612. Two quantities are in the ratio 3:5. If their total is 64, what is the first quantity?

- (A) 24
- (B) 40
- (C) 16
- (D) 64

Answer: A

Explanation: Total parts = 8. One part = $64/8 = 8$; first quantity = $3 \times 8 = 24$.

Q613. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 7.06
- (B) 17.14
- (C) 17.0
- (D) 14

Answer: A

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q614. Two quantities are in the ratio 3:4. If their total is 49, what is the first quantity?

- (A) 21
- (B) 49
- (C) 28
- (D) 7

Answer: A

Explanation: Total parts = 7. One part = $49/7 = 7$; first quantity = $3 \times 7 = 21$.

Q615. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 0
- (B) 225.0
- (C) 7.5
- (D) 15.0

Answer: C

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q616. A can finish a work in 20 days and B in 20 days. In how many days can they finish it together?

- (A) 400.0
- (B) 20.0
- (C) 10.0
- (D) 0

Answer: C

Explanation: Combined rate = $1/20 + 1/20 = (40)/400$; time = $400/40 = 10.0$ days.

Q617. Find the average of 66, 50, 40, 71, 77.

- (A) 76.0
- (B) 62.8
- (C) 60.8
- (D) 58.8

Answer: C

Explanation: Average = sum / count = $304/5 = 60.8$.

Q618. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?

- (A) 51
- (B) 34
- (C) 85
- (D) 136

Answer: A

Explanation: Total parts = 8. One part = $136/8 = 17$; first quantity = $3 \times 17 = 51$.

Q619. A vehicle travels at 30 km/h for 4 hours. What distance does it cover?

- (A) 34
- (B) 120
- (C) 7.5
- (D) 135.0

Answer: B

Explanation: Distance = speed x time = $30 \times 4 = 120$ km.

Q620. An item costs Rs. 400. At a profit of 15%, what is the selling price?

- (A) 430
- (B) 460
- (C) 415
- (D) 340.0

Answer: B

Explanation: Selling price = $400 \times (1 + 15/100) = \text{Rs. } 460$.

Q621. Find the average of 31, 19, 37, 21, 41.

- (A) 37.2
- (B) 29.8
- (C) 27.8
- (D) 31.8

Answer: B

Explanation: Average = sum / count = $149/5 = 29.8$.

Q622. What is 15% of 160?

- (A) 16.0
- (B) 24
- (C) 40.0
- (D) 32.0

Answer: B

Explanation: 15% of 160 = $(15/100) \times 160 = 24$.

Q623. An item costs Rs. 600. At a profit of 15%, what is the selling price?

- (A) 630
- (B) 690
- (C) 615
- (D) 510.0

Answer: B

Explanation: Selling price = $600 \times (1 + 15/100) = \text{Rs. } 690$.

Q624. A vehicle travels at 36 km/h for 3.5 hours. What distance does it cover?

- (A) 10.29
- (B) 144.0
- (C) 126
- (D) 39.5

Answer: C

Explanation: Distance = speed x time = $36 \times 3.5 = 126$ km.

Q625. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 74.5
- (B) 180
- (C) 28.8
- (D) 216.0

Answer: B

Explanation: Distance = speed x time = $72 \times 2.5 = 180$ km.

Q626. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 57
- (B) 162
- (C) 18.0
- (D) 189.0

Answer: B

Explanation: Distance = speed x time = $54 \times 3 = 162$ km.

Q627. A vehicle travels at 72 km/h for 2.5 hours. What distance does it cover?

- (A) 216.0
- (B) 28.8
- (C) 74.5
- (D) 180

Answer: D

Explanation: Distance = speed x time = $72 \times 2.5 = 180$ km.

Q628. An item costs Rs. 200. At a profit of 30%, what is the selling price?

- (A) 260
- (B) 20
- (C) 140.0
- (D) 230

Answer: A

Explanation: Selling price = $200 \times (1 + 30/100) = \text{Rs. } 260$.

Q629. An item costs Rs. 600. At a profit of 12%, what is the selling price?

- (A) 612
- (B) 528.0
- (C) 672
- (D) 624

Answer: C

Explanation: Selling price = $600 \times (1 + 12/100) = \text{Rs. } 672$.

Q630. A can finish a work in 15 days and B in 20 days. In how many days can they finish it together?

- (A) 8.57
- (B) 5
- (C) 60.0
- (D) 17.5

Answer: A

Explanation: Combined rate = $1/15 + 1/20 = (35)/300$; time = $300/35 = 8.57$ days.

Q631. What is 35% of 750?

- (A) 300.0
- (B) 225.0
- (C) 262.5
- (D) 337.5

Answer: C

Explanation: $35\% \text{ of } 750 = (35/100) \times 750 = 262.5$.

Q632. Find the average of 50, 30, 15, 30, 18.

- (A) 30.6
- (B) 26.6
- (C) 28.6
- (D) 35.8

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 143/5 = 28.6$.

Q633. What is 35% of 160?

- (A) 48.0
- (B) 56
- (C) 64.0
- (D) 72.0

Answer: B

Explanation: $35\% \text{ of } 160 = (35/100) \times 160 = 56$.

Q634. An item costs Rs. 750. At a profit of 25%, what is the selling price?

- (A) 775
- (B) 800
- (C) 937.5
- (D) 562.5

Answer: C

Explanation: $\text{Selling price} = 750 \times (1 + 25/100) = \text{Rs. } 937.5$.

Q635. What is 5% of 120?

- (A) 12.0
- (B) 18.0
- (C) 0
- (D) 6

Answer: D

Explanation: $5\% \text{ of } 120 = (5/100) \times 120 = 6$.

Q636. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

- (A) 12.0
- (B) 16.0
- (C) 16
- (D) 6.0

Answer: D

Explanation: $\text{Combined rate} = 1/8 + 1/24 = (32)/192$; $\text{time} = 192/32 = 6.0 \text{ days}$.

Q637. A vehicle travels at 60 km/h for 3 hours. What distance does it cover?

- (A) 180
- (B) 63
- (C) 210.0
- (D) 20.0

Answer: A

Explanation: Distance = speed x time = $60 \times 3 = 180$ km.

Q638. Find the average of 43, 60, 69, 61, 68.

- (A) 62.2
- (B) 60.2
- (C) 75.2
- (D) 58.2

Answer: B

Explanation: Average = sum / count = $301/5 = 60.2$.

Q639. Two quantities are in the ratio 7:9. If their total is 144, what is the first quantity?

- (A) 144
- (B) 18
- (C) 63
- (D) 81

Answer: C

Explanation: Total parts = 16. One part = $144/16 = 9$; first quantity = $7 \times 9 = 63$.

Q640. A can finish a work in 20 days and B in 15 days. In how many days can they finish it together?

- (A) 8.57
- (B) 17.5
- (C) 5
- (D) 300.0

Answer: A

Explanation: Combined rate = $1/20 + 1/15 = (35)/300$; time = $300/35 = 8.57$ days.

Q641. What is 15% of 800?

- (A) 80.0
- (B) 120
- (C) 160.0
- (D) 200.0

Answer: B

Explanation: 15% of 800 = $(15/100) \times 800 = 120$.

Q642. An item costs Rs. 250. At a profit of 10%, what is the selling price?

- (A) 260
- (B) 275
- (C) 270
- (D) 225.0

Answer: B

Explanation: Selling price = $250 \times (1 + 10/100) = \text{Rs. } 275$.

Q643. Find the average of 55, 78, 72, 58, 20.

- (A) 54.6
- (B) 58.6
- (C) 56.6
- (D) 70.8

Answer: C

Explanation: Average = sum / count = $283/5 = 56.6$.

Q644. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 36
- (B) 84
- (C) 48
- (D) 12

Answer: A

Explanation: Total parts = 7. One part = $84/7 = 12$; first quantity = $3 \times 12 = 36$.

Q645. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

- (A) 90
- (B) 10.0
- (C) 33
- (D) 105.0

Answer: A

Explanation: Distance = speed x time = $30 \times 3 = 90$ km.

Q646. Find the simple interest on Rs. 1200 at 6% per annum for 2 years.

- (A) 72
- (B) 264
- (C) 144
- (D) 24

Answer: C

Explanation: SI = $PRT/100 = 1200 \times 6 \times 2/100 = \text{Rs. } 144$.

Q647. An item costs Rs. 500. At a profit of 12%, what is the selling price?

- (A) 560
- (B) 524
- (C) 512
- (D) 440.0

Answer: A

Explanation: Selling price = $500 \times (1 + 12/100) = \text{Rs. } 560$.

Q648. What is 30% of 200?

- (A) 70.0
- (B) 60
- (C) 50.0
- (D) 80.0

Answer: B

Explanation: 30% of 200 = $(30/100) \times 200 = 60$.

Q649. What is 30% of 200?

- (A) 80.0
- (B) 70.0
- (C) 60
- (D) 50.0

Answer: C

Explanation: $30\% \text{ of } 200 = (30/100) \times 200 = 60$.

Q650. An item costs Rs. 400. At a profit of 25%, what is the selling price?

- (A) 450
- (B) 300.0
- (C) 500
- (D) 425

Answer: C

Explanation: Selling price = $400 \times (1 + 25/100) = \text{Rs. } 500$.

Q651. Two quantities are in the ratio 3:5. If their total is 128, what is the first quantity?

- (A) 48
- (B) 80
- (C) 32
- (D) 128

Answer: A

Explanation: Total parts = 8. One part = $128/8 = 16$; first quantity = $3 \times 16 = 48$.

Q652. What is 50% of 180?

- (A) 108.0
- (B) 81.0
- (C) 99.0
- (D) 90

Answer: D

Explanation: $50\% \text{ of } 180 = (50/100) \times 180 = 90$.

Q653. An item costs Rs. 240. At a profit of 20%, what is the selling price?

- (A) 192.0
- (B) 260
- (C) 288
- (D) 280

Answer: C

Explanation: Selling price = $240 \times (1 + 20/100) = \text{Rs. } 288$.

Q654. An item costs Rs. 600. At a profit of 10%, what is the selling price?

- (A) 620
- (B) 660
- (C) 540.0
- (D) 610

Answer: B

Explanation: Selling price = $600 \times (1 + 10/100) = \text{Rs. } 660$.

Q655. What is 40% of 480?

- (A) 216.0
- (B) 168.0
- (C) 240.0
- (D) 192

Answer: D

Explanation: $40\% \text{ of } 480 = (40/100) \times 480 = 192.$

Q656. Find the average of 24, 74, 26, 67, 27.

- (A) 45.6
- (B) 43.6
- (C) 54.5
- (D) 41.6

Answer: B

Explanation: $\text{Average} = \text{sum} / \text{count} = 218/5 = 43.6.$

Q657. Two quantities are in the ratio 4:5. If their total is 117, what is the first quantity?

- (A) 65
- (B) 117
- (C) 52
- (D) 13

Answer: C

Explanation: Total parts = 9. One part = $117/9 = 13$; first quantity = $4 \times 13 = 52.$

Q658. Two quantities are in the ratio 7:9. If their total is 112, what is the first quantity?

- (A) 49
- (B) 112
- (C) 63
- (D) 14

Answer: A

Explanation: Total parts = 16. One part = $112/16 = 7$; first quantity = $7 \times 7 = 49.$

Q659. Two quantities are in the ratio 3:5. If their total is 48, what is the first quantity?

- (A) 12
- (B) 18
- (C) 48
- (D) 30

Answer: B

Explanation: Total parts = 8. One part = $48/8 = 6$; first quantity = $3 \times 6 = 18.$

Q660. A can finish a work in 15 days and B in 30 days. In how many days can they finish it together?

- (A) 30.0
- (B) 15
- (C) 22.5
- (D) 10.0

Answer: D

Explanation: Combined rate = $1/15 + 1/30 = (45)/450$; time = $450/45 = 10.0$ days.

Q661. A can finish a work in 12 days and B in 30 days. In how many days can they finish it together?

- (A) 21.0
- (B) 8.57
- (C) 18
- (D) 20.0

Answer: B

Explanation: Combined rate = $1/12 + 1/30 = (42)/360$; time = $360/42 = 8.57$ days.

Q662. Find the average of 46, 24, 67, 69, 22.

- (A) 57.0
- (B) 47.6
- (C) 45.6
- (D) 43.6

Answer: C

Explanation: Average = sum / count = $228/5 = 45.6$.

Q663. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?

- (A) 324.0
- (B) 18.0
- (C) 76
- (D) 288

Answer: D

Explanation: Distance = speed x time = $72 \times 4 = 288$ km.

Q664. Two quantities are in the ratio 4:5. If their total is 54, what is the first quantity?

- (A) 6
- (B) 24
- (C) 30
- (D) 54

Answer: B

Explanation: Total parts = 9. One part = $54/9 = 6$; first quantity = $4 \times 6 = 24$.

Q665. A vehicle travels at 30 km/h for 3 hours. What distance does it cover?

- (A) 33
- (B) 10.0
- (C) 105.0
- (D) 90

Answer: D

Explanation: Distance = speed x time = $30 \times 3 = 90$ km.

Q666. An item costs Rs. 200. At a profit of 25%, what is the selling price?

- (A) 879
- (B) 250
- (C) 225
- (D) 150.0

Answer: B

Explanation: Selling price = $200 \times (1 + 25/100) = \text{Rs. } 250$.

Q667. Two quantities are in the ratio 3:4. If their total is 28, what is the first quantity?

- (A) 16
- (B) 12
- (C) 4
- (D) 28

Answer: B

Explanation: Total parts = 7. One part = $28/7 = 4$; first quantity = $3 \times 4 = 12$.

Q668. Find the simple interest on Rs. 4000 at 12% per annum for 4 years.

- (A) 1920
- (B) 2320
- (C) 480
- (D) 1520

Answer: A

Explanation: $SI = PRT/100 = 4000 \times 12 \times 4/100 = \text{Rs. } 1920$.

Q669. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

- (A) 240.0
- (B) 7.5
- (C) 8
- (D) 16.0

Answer: B

Explanation: Combined rate = $1/20 + 1/12 = (32)/240$; time = $240/32 = 7.5$ days.

Q670. What is 40% of 480?

- (A) 240.0
- (B) 216.0
- (C) 192
- (D) 168.0

Answer: C

Explanation: 40% of 480 = $(40/100) \times 480 = 192$.

Q671. Two quantities are in the ratio 2:3. If their total is 25, what is the first quantity?

- (A) 5
- (B) 15
- (C) 10
- (D) 25

Answer: C

Explanation: Total parts = 5. One part = $25/5 = 5$; first quantity = $2 \times 5 = 10$.

Q672. A vehicle travels at 72 km/h for 2 hours. What distance does it cover?

- (A) 144
- (B) 74
- (C) 180.0
- (D) 36.0

Answer: A

Explanation: Distance = speed $\times$ time = $72 \times 2 = 144$ km.

Q673. What is 15% of 160?

- (A) 32.0
- (B) 40.0
- (C) 24
- (D) 16.0

Answer: C

Explanation: $15\% \text{ of } 160 = (15/100) \times 160 = 24.$

Q674. An item costs Rs. 500. At a profit of 20%, what is the selling price?

- (A) 540
- (B) 520
- (C) 400.0
- (D) 600

Answer: D

Explanation: Selling price = $500 \times (1 + 20/100) = \text{Rs. } 600.$

Q675. What is 75% of 200?

- (A) 160.0
- (B) 150
- (C) 170.0
- (D) 140.0

Answer: B

Explanation: $75\% \text{ of } 200 = (75/100) \times 200 = 150.$

Q676. A can finish a work in 20 days and B in 18 days. In how many days can they finish it together?

- (A) 9.47
- (B) 360.0
- (C) 19.0
- (D) 2

Answer: A

Explanation: Combined rate = $1/20 + 1/18 = (38)/360$; time = $360/38 = 9.47$ days.

Q677. What is 60% of 180?

- (A) 126.0
- (B) 108
- (C) 117.0
- (D) 99.0

Answer: B

Explanation: $60\% \text{ of } 180 = (60/100) \times 180 = 108.$

Q678. An item costs Rs. 400. At a profit of 25%, what is the selling price?

- (A) 425
- (B) 450
- (C) 500
- (D) 300.0

Answer: C

Explanation: Selling price = $400 \times (1 + 25/100) = \text{Rs. } 500.$

Q679. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 57
- (B) 162
- (C) 189.0
- (D) 18.0

Answer: B

Explanation: Distance = speed x time = $54 \times 3 = 162$ km.

Q680. Find the average of 20, 53, 69, 66, 71.

- (A) 69.8
- (B) 53.8
- (C) 55.8
- (D) 57.8

Answer: C

Explanation: Average = sum / count = $279/5 = 55.8$.

Q681. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

- (A) 6.0
- (B) 16
- (C) 12.0
- (D) 16.0

Answer: A

Explanation: Combined rate = $1/8 + 1/24 = (32)/192$; time = $192/32 = 6.0$ days.

Q682. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

- (A) 12.0
- (B) 39
- (C) 108
- (D) 126.0

Answer: C

Explanation: Distance = speed x time = $36 \times 3 = 108$ km.

Q683. Find the average of 14, 53, 56, 13, 17.

- (A) 32.6
- (B) 28.6
- (C) 38.2
- (D) 30.6

Answer: D

Explanation: Average = sum / count = $153/5 = 30.6$.

Q684. A vehicle travels at 60 km/h for 2 hours. What distance does it cover?

- (A) 120
- (B) 30.0
- (C) 62
- (D) 150.0

Answer: A

Explanation: Distance = speed x time = $60 \times 2 = 120$ km.

Q685. Find the simple interest on Rs. 2000 at 12% per annum for 2 years.

- (A) 480
- (B) 280
- (C) 240
- (D) 680

Answer: A

Explanation: $SI = \frac{PRT}{100} = \frac{2000 \times 12 \times 2}{100} = \text{Rs. } 480.$

Q686. Find the average of 69, 21, 34, 13, 73.

- (A) 42
- (B) 40
- (C) 52.5
- (D) 44

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{210}{5} = 42.$

Q687. Find the average of 72, 27, 31, 19, 54.

- (A) 40.6
- (B) 50.8
- (C) 38.6
- (D) 42.6

Answer: A

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{203}{5} = 40.6.$

Q688. What is 10% of 150?

- (A) 7.5
- (B) 22.5
- (C) 15
- (D) 30.0

Answer: C

Explanation: $10\% \text{ of } 150 = \left(\frac{10}{100}\right) \times 150 = 15.$

Q689. Two quantities are in the ratio 5:7. If their total is 132, what is the first quantity?

- (A) 77
- (B) 22
- (C) 132
- (D) 55

Answer: D

Explanation: Total parts = 12. One part = $\frac{132}{12} = 11$; first quantity = $5 \times 11 = 55.$

Q690. Find the average of 47, 15, 49, 23, 53.

- (A) 46.8
- (B) 39.4
- (C) 37.4
- (D) 35.4

Answer: C

Explanation: $\text{Average} = \frac{\text{sum}}{\text{count}} = \frac{187}{5} = 37.4.$

Q691. Find the simple interest on Rs. 1200 at 8% per annum for 2 years.

- (A) 312
- (B) 96
- (C) 72
- (D) 192

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{1200 \times 8 \times 2}{100} = \text{Rs. } 192.$

Q692. Two quantities are in the ratio 3:4. If their total is 49, what is the first quantity?

- (A) 21
- (B) 49
- (C) 7
- (D) 28

Answer: A

Explanation: Total parts = 7. One part = $49/7 = 7$; first quantity = $3 \times 7 = 21.$

Q693. Find the average of 53, 25, 14, 36, 19.

- (A) 29.4
- (B) 31.4
- (C) 36.8
- (D) 27.4

Answer: A

Explanation: Average = sum / count = $147/5 = 29.4.$

Q694. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 300
- (B) 270
- (C) 312
- (D) 168.0

Answer: C

Explanation: Selling price = $240 \times (1 + 30/100) = \text{Rs. } 312.$

Q695. An item costs Rs. 320. At a profit of 25%, what is the selling price?

- (A) 370
- (B) 400
- (C) 240.0
- (D) 345

Answer: B

Explanation: Selling price = $320 \times (1 + 25/100) = \text{Rs. } 400.$

Q696. Two quantities are in the ratio 3:4. If their total is 49, what is the first quantity?

- (A) 49
- (B) 7
- (C) 28
- (D) 21

Answer: D

Explanation: Total parts = 7. One part = $49/7 = 7$; first quantity = $3 \times 7 = 21.$

Q697. A vehicle travels at 72 km/h for 3.5 hours. What distance does it cover?

- (A) 252
- (B) 20.57
- (C) 288.0
- (D) 75.5

Answer: A

Explanation: Distance = speed x time = $72 \times 3.5 = 252$ km.

Q698. What is 60% of 150?

- (A) 97.5
- (B) 105.0
- (C) 82.5
- (D) 90

Answer: D

Explanation: 60% of 150 = $(60/100) \times 150 = 90$.

Q699. A vehicle travels at 36 km/h for 3.5 hours. What distance does it cover?

- (A) 126
- (B) 144.0
- (C) 39.5
- (D) 10.29

Answer: A

Explanation: Distance = speed x time = $36 \times 3.5 = 126$ km.

Q700. A vehicle travels at 40 km/h for 3.5 hours. What distance does it cover?

- (A) 160.0
- (B) 11.43
- (C) 43.5
- (D) 140

Answer: D

Explanation: Distance = speed x time = $40 \times 3.5 = 140$ km.

Q701. Two quantities are in the ratio 3:5. If their total is 128, what is the first quantity?

- (A) 32
- (B) 80
- (C) 48
- (D) 128

Answer: C

Explanation: Total parts = 8. One part = $128/8 = 16$; first quantity = $3 \times 16 = 48$.

Q702. An item costs Rs. 400. At a profit of 20%, what is the selling price?

- (A) 420
- (B) 480
- (C) 320.0
- (D) 440

Answer: B

Explanation: Selling price = $400 \times (1 + 20/100) = \text{Rs. } 480$.

Q703. An item costs Rs. 250. At a profit of 10%, what is the selling price?

- (A) 270
- (B) 260
- (C) 225.0
- (D) 275

Answer: D

Explanation: Selling price = $250 \times (1 + 10/100) = \text{Rs. } 275$.

Q704. What is 30% of 800?

- (A) 200.0
- (B) 240
- (C) 280.0
- (D) 320.0

Answer: B

Explanation: $30\% \text{ of } 800 = (30/100) \times 800 = 240$.

Q705. A can finish a work in 18 days and B in 30 days. In how many days can they finish it together?

- (A) 12
- (B) 24.0
- (C) 45.0
- (D) 11.25

Answer: D

Explanation: Combined rate = $1/18 + 1/30 = (48)/540$; time = $540/48 = 11.25$ days.

Q706. Two quantities are in the ratio 3:5. If their total is 56, what is the first quantity?

- (A) 21
- (B) 56
- (C) 14
- (D) 35

Answer: A

Explanation: Total parts = 8. One part = $56/8 = 7$; first quantity = $3 \times 7 = 21$.

Q707. Find the average of 70, 77, 40, 35, 38.

- (A) 65.0
- (B) 54
- (C) 52
- (D) 50

Answer: C

Explanation: Average = sum / count = $260/5 = 52$.

Q708. Find the simple interest on Rs. 5000 at 8% per annum for 4 years.

- (A) 1600
- (B) 1100
- (C) 400
- (D) 2100

Answer: A

Explanation: $SI = PRT/100 = 5000 \times 8 \times 4/100 = \text{Rs. } 1600$.

Q709. Find the average of 19, 11, 64, 72, 28.

- (A) 40.8
- (B) 38.8
- (C) 36.8
- (D) 48.5

Answer: B

Explanation: Average = sum / count = $194/5 = 38.8$.

Q710. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 13.5
- (B) 3
- (C) 6.67
- (D) 60.0

Answer: C

Explanation: Combined rate = $1/12 + 1/15 = (27)/180$; time = $180/27 = 6.67$ days.

Q711. An item costs Rs. 200. At a profit of 30%, what is the selling price?

- (A) 260
- (B) 140.0
- (C) 539
- (D) 230

Answer: A

Explanation: Selling price = $200 \times (1 + 30/100) = \text{Rs. } 260$.

Q712. Find the simple interest on Rs. 3000 at 6% per annum for 2 years.

- (A) 60
- (B) 180
- (C) 360
- (D) 660

Answer: C

Explanation: $SI = PRT/100 = 3000 \times 6 \times 2/100 = \text{Rs. } 360$.

Q713. What is 25% of 200?

- (A) 50
- (B) 40.0
- (C) 60.0
- (D) 70.0

Answer: A

Explanation: 25% of 200 = $(25/100) \times 200 = 50$.

Q714. Two quantities are in the ratio 2:3. If their total is 25, what is the first quantity?

- (A) 5
- (B) 15
- (C) 25
- (D) 10

Answer: D

Explanation: Total parts = 5. One part = $25/5 = 5$; first quantity = $2 \times 5 = 10$.

Q715. An item costs Rs. 240. At a profit of 30%, what is the selling price?

- (A) 300
- (B) 270
- (C) 312
- (D) 168.0

Answer: C

Explanation: Selling price = $240 \times (1 + 30/100) = \text{Rs. } 312$.

Q716. Find the simple interest on Rs. 1500 at 8% per annum for 3 years.

- (A) 120
- (B) 510
- (C) 210
- (D) 360

Answer: D

Explanation: $SI = PRT/100 = 1500 \times 8 \times 3/100 = \text{Rs. } 360$.

Q717. A vehicle travels at 72 km/h for 3 hours. What distance does it cover?

- (A) 216
- (B) 24.0
- (C) 75
- (D) 252.0

Answer: A

Explanation: Distance = speed $\times$ time = $72 \times 3 = 216$ km.

Q718. A vehicle travels at 60 km/h for 2.5 hours. What distance does it cover?

- (A) 24.0
- (B) 150
- (C) 180.0
- (D) 62.5

Answer: B

Explanation: Distance = speed $\times$ time = $60 \times 2.5 = 150$ km.

Q719. A can finish a work in 15 days and B in 20 days. In how many days can they finish it together?

- (A) 5
- (B) 17.5
- (C) 60.0
- (D) 8.57

Answer: D

Explanation: Combined rate = $1/15 + 1/20 = (35)/300$; time = $300/35 = 8.57$ days.

Q720. What is 15% of 750?

- (A) 112.5
- (B) 187.5
- (C) 150.0
- (D) 75.0

Answer: A

Explanation: 15% of 750 = $(15/100) \times 750 = 112.5$.

Q721. Find the average of 27, 26, 64, 14, 10.

- (A) 30.2
- (B) 35.2
- (C) 28.2
- (D) 26.2

Answer: C

Explanation: Average = sum / count = $141/5 = 28.2$.

Q722. What is 75% of 800?

- (A) 640.0
- (B) 560.0
- (C) 600
- (D) 680.0

Answer: C

Explanation: 75% of 800 = $(75/100) \times 800 = 600$.

Q723. Find the average of 69, 75, 22, 19, 21.

- (A) 51.5
- (B) 43.2
- (C) 39.2
- (D) 41.2

Answer: D

Explanation: Average = sum / count = $206/5 = 41.2$.

Q724. A vehicle travels at 60 km/h for 4 hours. What distance does it cover?

- (A) 240
- (B) 64
- (C) 270.0
- (D) 15.0

Answer: A

Explanation: Distance = speed x time = $60 \times 4 = 240$ km.

Q725. Two quantities are in the ratio 3:5. If their total is 104, what is the first quantity?

- (A) 26
- (B) 39
- (C) 65
- (D) 104

Answer: B

Explanation: Total parts = 8. One part = $104/8 = 13$; first quantity = $3 \times 13 = 39$.

Q726. Two quantities are in the ratio 3:5. If their total is 128, what is the first quantity?

- (A) 32
- (B) 48
- (C) 80
- (D) 128

Answer: B

Explanation: Total parts = 8. One part = $128/8 = 16$; first quantity = $3 \times 16 = 48$.

Q727. A can finish a work in 18 days and B in 12 days. In how many days can they finish it together?

- (A) 6
- (B) 15.0
- (C) 216.0
- (D) 7.2

Answer: D

Explanation: Combined rate = $1/18 + 1/12 = (30)/216$; time = $216/30 = 7.2$ days.

Q728. Two quantities are in the ratio 3:4. If their total is 77, what is the first quantity?

- (A) 33
- (B) 44
- (C) 11
- (D) 77

Answer: A

Explanation: Total parts = 7. One part = $77/7 = 11$; first quantity = $3 \times 11 = 33$.

Q729. Two quantities are in the ratio 7:9. If their total is 160, what is the first quantity?

- (A) 20
- (B) 70
- (C) 160
- (D) 90

Answer: B

Explanation: Total parts = 16. One part = $160/16 = 10$; first quantity = $7 \times 10 = 70$.

Q730. Find the average of 73, 11, 29, 68, 56.

- (A) 59.2
- (B) 45.4
- (C) 49.4
- (D) 47.4

Answer: D

Explanation: Average = sum / count = $237/5 = 47.4$.

Q731. Find the average of 38, 58, 24, 43, 21.

- (A) 46.0
- (B) 34.8
- (C) 36.8
- (D) 38.8

Answer: C

Explanation: Average = sum / count = $184/5 = 36.8$.

Q732. An item costs Rs. 800. At a profit of 12%, what is the selling price?

- (A) 812
- (B) 824
- (C) 704.0
- (D) 896

Answer: D

Explanation: Selling price = $800 \times (1 + 12/100) = \text{Rs. } 896$.

Q733. Two quantities are in the ratio 2:3. If their total is 50, what is the first quantity?

- (A) 10
- (B) 30
- (C) 20
- (D) 50

Answer: C

Explanation: Total parts = 5. One part = $50/5 = 10$; first quantity = $2 \times 10 = 20$.

Q734. Two quantities are in the ratio 3:5. If their total is 72, what is the first quantity?

- (A) 72
- (B) 18
- (C) 45
- (D) 27

Answer: D

Explanation: Total parts = 8. One part = $72/8 = 9$; first quantity = $3 \times 9 = 27$.

Q735. What is 30% of 400?

- (A) 120
- (B) 160.0
- (C) 100.0
- (D) 140.0

Answer: A

Explanation: 30% of 400 = $(30/100) \times 400 = 120$.

Q736. A vehicle travels at 40 km/h for 2 hours. What distance does it cover?

- (A) 100.0
- (B) 20.0
- (C) 80
- (D) 42

Answer: C

Explanation: Distance = speed $\times$ time = $40 \times 2 = 80$ km.

Q737. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

- (A) 243.0
- (B) 58
- (C) 216
- (D) 13.5

Answer: C

Explanation: Distance = speed $\times$ time = $54 \times 4 = 216$ km.

Q738. An item costs Rs. 300. At a profit of 25%, what is the selling price?

- (A) 225.0
- (B) 375
- (C) 350
- (D) 325

Answer: B

Explanation: Selling price = $300 \times (1 + 25/100) = \text{Rs. } 375$.

Q739. A can finish a work in 20 days and B in 15 days. In how many days can they finish it together?

- (A) 300.0
- (B) 5
- (C) 8.57
- (D) 17.5

Answer: C

Explanation: Combined rate = $1/20 + 1/15 = (35)/300$; time = $300/35 = 8.57$ days.

Q740. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

- (A) 16
- (B) 16.0
- (C) 6.0
- (D) 12.0

Answer: C

Explanation: Combined rate = $1/8 + 1/24 = (32)/192$; time = $192/32 = 6.0$ days.

Q741. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

- (A) 49
- (B) 11.25
- (C) 202.5
- (D) 180

Answer: D

Explanation: Distance = speed x time = $45 \times 4 = 180$ km.

Q742. Find the simple interest on Rs. 1200 at 12% per annum for 3 years.

- (A) 144
- (B) 432
- (C) 552
- (D) 312

Answer: B

Explanation: SI = $PRT/100 = 1200 \times 12 \times 3/100 = \text{Rs. } 432$.

Q743. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

- (A) 243.0
- (B) 58
- (C) 216
- (D) 13.5

Answer: C

Explanation: Distance = speed x time = $54 \times 4 = 216$ km.

Q744. Find the average of 40, 15, 15, 22, 16.

- (A) 19.6
- (B) 23.6
- (C) 27.0
- (D) 21.6

Answer: D

Explanation: Average = sum / count = $108/5 = 21.6$.

Q745. Two quantities are in the ratio 2:3. If their total is 80, what is the first quantity?

- (A) 80
- (B) 16
- (C) 32
- (D) 48

Answer: C

Explanation: Total parts = 5. One part = $80/5 = 16$; first quantity = $2 \times 16 = 32$.

Q746. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

- (A) 15.0
- (B) 135
- (C) 157.5
- (D) 48

Answer: B

Explanation: Distance = speed $\times$ time = $45 \times 3 = 135$ km.

Q747. Find the simple interest on Rs. 4000 at 10% per annum for 4 years.

- (A) 1200
- (B) 400
- (C) 2000
- (D) 1600

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{4000 \times 10 \times 4}{100} = \text{Rs. } 1600$.

Q748. What is 20% of 600?

- (A) 150.0
- (B) 120
- (C) 90.0
- (D) 180.0

Answer: B

Explanation: 20% of 600 = $(\frac{20}{100}) \times 600 = 120$.

Q749. What is 40% of 120?

- (A) 42.0
- (B) 60.0
- (C) 54.0
- (D) 48

Answer: D

Explanation: 40% of 120 = $(\frac{40}{100}) \times 120 = 48$.

Q750. Two quantities are in the ratio 7:9. If their total is 208, what is the first quantity?

- (A) 117
- (B) 208
- (C) 26
- (D) 91

Answer: D

Explanation: Total parts = 16. One part = $208/16 = 13$; first quantity = $7 \times 13 = 91$.

Q751. A can finish a work in 6 days and B in 24 days. In how many days can they finish it together?

- (A) 15.0
- (B) 18
- (C) 4.8
- (D) 8.0

Answer: C

Explanation: Combined rate = $1/6 + 1/24 = (30)/144$; time = $144/30 = 4.8$ days.

Q752. A can finish a work in 15 days and B in 12 days. In how many days can they finish it together?

- (A) 6.67
- (B) 180.0
- (C) 13.5
- (D) 3

Answer: A

Explanation: Combined rate = $1/15 + 1/12 = (27)/180$; time = $180/27 = 6.67$ days.

Q753. An item costs Rs. 240. At a profit of 12%, what is the selling price?

- (A) 252
- (B) 211.2
- (C) 268.8
- (D) 264

Answer: C

Explanation: Selling price = $240 \times (1 + 12/100) = \text{Rs. } 268.8$.

Q754. Find the average of 18, 46, 75, 71, 62.

- (A) 56.4
- (B) 68.0
- (C) 54.4
- (D) 52.4

Answer: C

Explanation: Average = sum / count = $272/5 = 54.4$.

Q755. A can finish a work in 20 days and B in 18 days. In how many days can they finish it together?

- (A) 2
- (B) 360.0
- (C) 9.47
- (D) 19.0

Answer: C

Explanation: Combined rate = $1/20 + 1/18 = (38)/360$; time = $360/38 = 9.47$ days.

Q756. A can finish a work in 12 days and B in 24 days. In how many days can they finish it together?

- (A) 12
- (B) 24.0
- (C) 18.0
- (D) 8.0

Answer: D

Explanation: Combined rate = $1/12 + 1/24 = (36)/288$; time = $288/36 = 8.0$ days.

Q757. A can finish a work in 8 days and B in 15 days. In how many days can they finish it together?

- (A) 11.5
- (B) 17.14
- (C) 7
- (D) 5.22

Answer: D

Explanation: Combined rate = $1/8 + 1/15 = (23)/120$; time = $120/23 = 5.22$ days.

Q758. Two quantities are in the ratio 3:5. If their total is 128, what is the first quantity?

- (A) 32
- (B) 48
- (C) 128
- (D) 80

Answer: B

Explanation: Total parts = 8. One part = $128/8 = 16$; first quantity = $3 \times 16 = 48$.

Q759. A can finish a work in 15 days and B in 24 days. In how many days can they finish it together?

- (A) 9.23
- (B) 19.5
- (C) 9
- (D) 40.0

Answer: A

Explanation: Combined rate = $1/15 + 1/24 = (39)/360$; time = $360/39 = 9.23$ days.

Q760. Find the average of 74, 35, 31, 37, 37.

- (A) 53.5
- (B) 40.8
- (C) 44.8
- (D) 42.8

Answer: D

Explanation: Average = sum / count = $214/5 = 42.8$.

Q761. Find the average of 15, 62, 15, 74, 41.

- (A) 41.4
- (B) 51.8
- (C) 43.4
- (D) 39.4

Answer: A

Explanation: Average = sum / count = $207/5 = 41.4$.

Q762. A can finish a work in 20 days and B in 15 days. In how many days can they finish it together?

- (A) 8.57
- (B) 5
- (C) 300.0
- (D) 17.5

Answer: A

Explanation: Combined rate = $1/20 + 1/15 = (35)/300$; time = $300/35 = 8.57$ days.

Q763. What is 15% of 480?

- (A) 120.0
- (B) 72
- (C) 96.0
- (D) 48.0

Answer: B

Explanation: $15\% \text{ of } 480 = (15/100) \times 480 = 72.$

Q764. What is 30% of 200?

- (A) 80.0
- (B) 50.0
- (C) 70.0
- (D) 60

Answer: D

Explanation: $30\% \text{ of } 200 = (30/100) \times 200 = 60.$

Q765. An item costs Rs. 200. At a profit of 30%, what is the selling price?

- (A) 260
- (B) 703
- (C) 230
- (D) 140.0

Answer: A

Explanation: $\text{Selling price} = 200 \times (1 + 30/100) = \text{Rs. } 260.$

Q766. Find the simple interest on Rs. 2000 at 6% per annum for 4 years.

- (A) 480
- (B) 280
- (C) 120
- (D) 680

Answer: A

Explanation: $SI = PRT/100 = 2000 \times 6 \times 4/100 = \text{Rs. } 480.$

Q767. An item costs Rs. 320. At a profit of 12%, what is the selling price?

- (A) 281.6
- (B) 358.4
- (C) 344
- (D) 332

Answer: B

Explanation: $\text{Selling price} = 320 \times (1 + 12/100) = \text{Rs. } 358.4.$

Q768. Find the simple interest on Rs. 4000 at 10% per annum for 2 years.

- (A) 1200
- (B) 800
- (C) 34
- (D) 400

Answer: B

Explanation: $SI = PRT/100 = 4000 \times 10 \times 2/100 = \text{Rs. } 800.$

Q769. A can finish a work in 12 days and B in 15 days. In how many days can they finish it together?

- (A) 6.67
- (B) 13.5
- (C) 3
- (D) 60.0

Answer: A

Explanation: Combined rate = $1/12 + 1/15 = (27)/180$; time = $180/27 = 6.67$ days.

Q770. What is 10% of 500?

- (A) 75.0
- (B) 50
- (C) 25.0
- (D) 100.0

Answer: B

Explanation: 10% of 500 = $(10/100) \times 500 = 50$.

Q771. What is 25% of 750?

- (A) 150.0
- (B) 225.0
- (C) 262.5
- (D) 187.5

Answer: D

Explanation: 25% of 750 = $(25/100) \times 750 = 187.5$.

Q772. A vehicle travels at 54 km/h for 2.5 hours. What distance does it cover?

- (A) 56.5
- (B) 21.6
- (C) 162.0
- (D) 135

Answer: D

Explanation: Distance = speed x time = $54 \times 2.5 = 135$ km.

Q773. Two quantities are in the ratio 4:5. If their total is 153, what is the first quantity?

- (A) 68
- (B) 85
- (C) 17
- (D) 153

Answer: A

Explanation: Total parts = 9. One part = $153/9 = 17$; first quantity = $4 \times 17 = 68$.

Q774. Find the average of 60, 42, 14, 41, 59.

- (A) 43.2
- (B) 54.0
- (C) 41.2
- (D) 45.2

Answer: A

Explanation: Average = sum / count = $216/5 = 43.2$.

Q775. An item costs Rs. 300. At a profit of 20%, what is the selling price?

- (A) 360
- (B) 340
- (C) 320
- (D) 240.0

Answer: A

Explanation: Selling price = $300 \times (1 + 20/100) = \text{Rs. } 360$.

Q776. A vehicle travels at 45 km/h for 3 hours. What distance does it cover?

- (A) 15.0
- (B) 157.5
- (C) 135
- (D) 48

Answer: C

Explanation: Distance = speed $\times$ time = $45 \times 3 = 135$ km.

Q777. Find the average of 43, 61, 79, 27, 47.

- (A) 51.4
- (B) 64.2
- (C) 53.4
- (D) 49.4

Answer: A

Explanation: Average = sum / count = $257/5 = 51.4$.

Q778. A vehicle travels at 50 km/h for 3 hours. What distance does it cover?

- (A) 53
- (B) 16.67
- (C) 150
- (D) 175.0

Answer: C

Explanation: Distance = speed $\times$ time = $50 \times 3 = 150$ km.

Q779. A vehicle travels at 40 km/h for 4 hours. What distance does it cover?

- (A) 44
- (B) 10.0
- (C) 160
- (D) 180.0

Answer: C

Explanation: Distance = speed $\times$ time = $40 \times 4 = 160$ km.

Q780. Find the average of 52, 71, 75, 79, 21.

- (A) 59.6
- (B) 61.6
- (C) 74.5
- (D) 57.6

Answer: A

Explanation: Average = sum / count = $298/5 = 59.6$.

Q781. An item costs Rs. 300. At a profit of 30%, what is the selling price?

- (A) 330
- (B) 360
- (C) 210.0
- (D) 390

Answer: D

Explanation: Selling price = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q782. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?

- (A) 288
- (B) 324.0
- (C) 76
- (D) 18.0

Answer: A

Explanation: Distance = speed $\times$ time = $72 \times 4 = 288 \text{ km}$.

Q783. Find the average of 79, 36, 49, 35, 67.

- (A) 51.2
- (B) 66.5
- (C) 55.2
- (D) 53.2

Answer: D

Explanation: Average = sum / count = $266/5 = 53.2$.

Q784. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 17.14
- (B) 14
- (C) 7.06
- (D) 17.0

Answer: C

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06 \text{ days}$.

Q785. Find the average of 32, 52, 43, 78, 56.

- (A) 54.2
- (B) 52.2
- (C) 50.2
- (D) 65.2

Answer: B

Explanation: Average = sum / count = $261/5 = 52.2$.

Q786. What is 5% of 320?

- (A) 0
- (B) 48.0
- (C) 32.0
- (D) 16

Answer: D

Explanation: 5% of 320 = $(5/100) \times 320 = 16$.

Q787. Two quantities are in the ratio 3:4. If their total is 35, what is the first quantity?

- (A) 15
- (B) 35
- (C) 5
- (D) 20

Answer: A

Explanation: Total parts = 7. One part = $35/7 = 5$; first quantity = $3 \times 5 = 15$.

Q788. What is 5% of 120?

- (A) 6
- (B) 12.0
- (C) 0
- (D) 18.0

Answer: A

Explanation: 5% of 120 = $(5/100) \times 120 = 6$.

Q789. A can finish a work in 10 days and B in 15 days. In how many days can they finish it together?

- (A) 6.0
- (B) 5
- (C) 12.5
- (D) 30.0

Answer: A

Explanation: Combined rate = $1/10 + 1/15 = (25)/150$; time = $150/25 = 6.0$ days.

Q790. Find the simple interest on Rs. 1200 at 5% per annum for 3 years.

- (A) 60
- (B) 296
- (C) 300
- (D) 180

Answer: D

Explanation: $SI = PRT/100 = 1200 \times 5 \times 3/100 = \text{Rs. } 180$.

Q791. Find the average of 21, 49, 34, 16, 79.

- (A) 49.8
- (B) 41.8
- (C) 37.8
- (D) 39.8

Answer: D

Explanation: Average = sum / count = $199/5 = 39.8$.

Q792. A vehicle travels at 50 km/h for 3.5 hours. What distance does it cover?

- (A) 175
- (B) 200.0
- (C) 14.29
- (D) 53.5

Answer: A

Explanation: Distance = speed $\times$ time = $50 \times 3.5 = 175$ km.

Q793. A can finish a work in 20 days and B in 12 days. In how many days can they finish it together?

- (A) 240.0
- (B) 7.5
- (C) 8
- (D) 16.0

Answer: B

Explanation: Combined rate = $\frac{1}{20} + \frac{1}{12} = \frac{32}{240}$; time = $\frac{240}{32} = 7.5$ days.

Q794. What is 25% of 400?

- (A) 100
- (B) 80.0
- (C) 120.0
- (D) 140.0

Answer: A

Explanation: 25% of 400 = $\frac{25}{100} \times 400 = 100$.

Q795. Find the simple interest on Rs. 2500 at 10% per annum for 3 years.

- (A) 1000
- (B) 750
- (C) 500
- (D) 250

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{2500 \times 10 \times 3}{100} = \text{Rs. } 750$.

Q796. A can finish a work in 6 days and B in 18 days. In how many days can they finish it together?

- (A) 12.0
- (B) 4.5
- (C) 12
- (D) 9.0

Answer: B

Explanation: Combined rate = $\frac{1}{6} + \frac{1}{18} = \frac{24}{108}$; time = $\frac{108}{24} = 4.5$ days.

Q797. What is 5% of 500?

- (A) 0
- (B) 25
- (C) 75.0
- (D) 50.0

Answer: B

Explanation: 5% of 500 = $\frac{5}{100} \times 500 = 25$.

Q798. Find the simple interest on Rs. 1000 at 10% per annum for 2 years.

- (A) 100
- (B) 200
- (C) 300
- (D) 574

Answer: B

Explanation: $SI = \frac{PRT}{100} = \frac{1000 \times 10 \times 2}{100} = \text{Rs. } 200$.

Q799. Find the average of 55, 33, 80, 50, 17.

- (A) 47
- (B) 49
- (C) 58.8
- (D) 45

Answer: A

Explanation: Average = sum / count = $235/5 = 47$.

Q800. Two quantities are in the ratio 3:4. If their total is 63, what is the first quantity?

- (A) 36
- (B) 27
- (C) 9
- (D) 63

Answer: B

Explanation: Total parts = 7. One part = $63/7 = 9$; first quantity = $3 \times 9 = 27$.

Q801. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?

- (A) 136
- (B) 51
- (C) 34
- (D) 85

Answer: B

Explanation: Total parts = 8. One part = $136/8 = 17$; first quantity = $3 \times 17 = 51$.

Q802. Two quantities are in the ratio 4:5. If their total is 81, what is the first quantity?

- (A) 36
- (B) 81
- (C) 45
- (D) 9

Answer: A

Explanation: Total parts = 9. One part = $81/9 = 9$; first quantity = $4 \times 9 = 36$.

Q803. A can finish a work in 20 days and B in 40 days. In how many days can they finish it together?

- (A) 20.0
- (B) 0
- (C) 400.0
- (D) 10.0

Answer: D

Explanation: Combined rate = $1/20 + 1/40 = (40)/400$; time = $400/40 = 10.0$ days.

Q804. A can finish a work in 18 days and B in 30 days. In how many days can they finish it together?

- (A) 24.0
- (B) 45.0
- (C) 12
- (D) 11.25

Answer: D

Explanation: Combined rate = $1/18 + 1/30 = (48)/540$; time = $540/48 = 11.25$ days.

Q805. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

- (A) 126.0
- (B) 12.0
- (C) 39
- (D) 108

Answer: D

Explanation: Distance = speed x time = $36 \times 3 = 108$ km.

Q806. What is 10% of 500?

- (A) 25.0
- (B) 75.0
- (C) 100.0
- (D) 50

Answer: D

Explanation: 10% of 500 = $(10/100) \times 500 = 50$.

Q807. An item costs Rs. 240. At a profit of 12%, what is the selling price?

- (A) 252
- (B) 268.8
- (C) 211.2
- (D) 264

Answer: B

Explanation: Selling price = $240 \times (1 + 12/100) = \text{Rs. } 268.8$.

Q808. Find the simple interest on Rs. 3000 at 6% per annum for 4 years.

- (A) 180
- (B) 720
- (C) 1020
- (D) 420

Answer: B

Explanation: SI = $PRT/100 = 3000 \times 6 \times 4/100 = \text{Rs. } 720$.

Q809. An item costs Rs. 750. At a profit of 20%, what is the selling price?

- (A) 600.0
- (B) 790
- (C) 900
- (D) 770

Answer: C

Explanation: Selling price = $750 \times (1 + 20/100) = \text{Rs. } 900$.

Q810. A vehicle travels at 45 km/h for 3.5 hours. What distance does it cover?

- (A) 157.5
- (B) 180.0
- (C) 48.5
- (D) 12.86

Answer: A

Explanation: Distance = speed x time = $45 \times 3.5 = 157.5$ km.

Q811. What is 30% of 180?

- (A) 63.0
- (B) 54
- (C) 45.0
- (D) 72.0

Answer: B

Explanation: $30\% \text{ of } 180 = (30/100) \times 180 = 54.$

Q812. Find the average of 39, 41, 79, 41, 60.

- (A) 54
- (B) 50
- (C) 65.0
- (D) 52

Answer: D

Explanation: $\text{Average} = \text{sum} / \text{count} = 260/5 = 52.$

Q813. Find the average of 10, 74, 67, 50, 61.

- (A) 65.5
- (B) 54.4
- (C) 52.4
- (D) 50.4

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 262/5 = 52.4.$

Q814. Find the simple interest on Rs. 5000 at 10% per annum for 2 years.

- (A) 1000
- (B) 650
- (C) 1500
- (D) 500

Answer: A

Explanation: $SI = PRT/100 = 5000 \times 10 \times 2/100 = \text{Rs. } 1000.$

Q815. Find the average of 31, 16, 45, 25, 44.

- (A) 34.2
- (B) 30.2
- (C) 32.2
- (D) 40.2

Answer: C

Explanation: $\text{Average} = \text{sum} / \text{count} = 161/5 = 32.2.$

Q816. A vehicle travels at 72 km/h for 4 hours. What distance does it cover?

- (A) 76
- (B) 324.0
- (C) 288
- (D) 18.0

Answer: C

Explanation: $\text{Distance} = \text{speed} \times \text{time} = 72 \times 4 = 288 \text{ km.}$

Q817. What is 75% of 600?

- (A) 450
- (B) 420.0
- (C) 480.0
- (D) 510.0

Answer: A

Explanation: 75% of 600 = $(75/100) \times 600 = 450$.

Q818. What is 35% of 360?

- (A) 144.0
- (B) 126
- (C) 162.0
- (D) 108.0

Answer: B

Explanation: 35% of 360 = $(35/100) \times 360 = 126$.

Q819. Two quantities are in the ratio 4:5. If their total is 90, what is the first quantity?

- (A) 40
- (B) 50
- (C) 90
- (D) 10

Answer: A

Explanation: Total parts = 9. One part = $90/9 = 10$; first quantity = $4 \times 10 = 40$.

Q820. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 162
- (B) 18.0
- (C) 57
- (D) 189.0

Answer: A

Explanation: Distance = speed $\times$ time = $54 \times 3 = 162$ km.

Q821. A vehicle travels at 45 km/h for 2.5 hours. What distance does it cover?

- (A) 112.5
- (B) 47.5
- (C) 18.0
- (D) 135.0

Answer: A

Explanation: Distance = speed $\times$ time = $45 \times 2.5 = 112.5$ km.

Q822. A vehicle travels at 36 km/h for 3 hours. What distance does it cover?

- (A) 39
- (B) 12.0
- (C) 126.0
- (D) 108

Answer: D

Explanation: Distance = speed $\times$ time = $36 \times 3 = 108$ km.

Q823. A can finish a work in 15 days and B in 15 days. In how many days can they finish it together?

- (A) 15.0
- (B) 7.5
- (C) 0
- (D) 225.0

Answer: B

Explanation: Combined rate = $1/15 + 1/15 = (30)/225$; time = $225/30 = 7.5$ days.

Q824. Two quantities are in the ratio 3:5. If their total is 136, what is the first quantity?

- (A) 34
- (B) 85
- (C) 136
- (D) 51

Answer: D

Explanation: Total parts = 8. One part = $136/8 = 17$; first quantity = $3 \times 17 = 51$.

Q825. Find the simple interest on Rs. 1200 at 5% per annum for 2 years.

- (A) 60
- (B) 240
- (C) 120
- (D) 1

Answer: C

Explanation: $SI = PRT/100 = 1200 \times 5 \times 2/100 = \text{Rs. } 120$.

Q826. Two quantities are in the ratio 7:9. If their total is 288, what is the first quantity?

- (A) 288
- (B) 162
- (C) 126
- (D) 36

Answer: C

Explanation: Total parts = 16. One part = $288/16 = 18$; first quantity = $7 \times 18 = 126$.

Q827. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 57
- (B) 18.0
- (C) 162
- (D) 189.0

Answer: C

Explanation: Distance = speed $\times$ time = $54 \times 3 = 162$ km.

Q828. What is 35% of 150?

- (A) 52.5
- (B) 60.0
- (C) 45.0
- (D) 67.5

Answer: A

Explanation: 35% of 150 = $(35/100) \times 150 = 52.5$.

Q829. A vehicle travels at 54 km/h for 4 hours. What distance does it cover?

- (A) 58
- (B) 243.0
- (C) 13.5
- (D) 216

Answer: D

Explanation: Distance = speed x time = $54 \times 4 = 216$ km.

Q830. Find the average of 33, 41, 33, 74, 26.

- (A) 51.8
- (B) 43.4
- (C) 41.4
- (D) 39.4

Answer: C

Explanation: Average = sum / count = $207/5 = 41.4$.

Q831. An item costs Rs. 300. At a profit of 30%, what is the selling price?

- (A) 210.0
- (B) 360
- (C) 330
- (D) 390

Answer: D

Explanation: Selling price = $300 \times (1 + 30/100) = \text{Rs. } 390$.

Q832. Two quantities are in the ratio 3:5. If their total is 96, what is the first quantity?

- (A) 96
- (B) 24
- (C) 60
- (D) 36

Answer: D

Explanation: Total parts = 8. One part = $96/8 = 12$; first quantity = $3 \times 12 = 36$.

Q833. Find the average of 47, 24, 52, 23, 46.

- (A) 38.4
- (B) 36.4
- (C) 40.4
- (D) 48.0

Answer: A

Explanation: Average = sum / count = $192/5 = 38.4$.

Q834. A can finish a work in 18 days and B in 15 days. In how many days can they finish it together?

- (A) 16.5
- (B) 270.0
- (C) 3
- (D) 8.18

Answer: D

Explanation: Combined rate = $1/18 + 1/15 = (33)/270$; time = $270/33 = 8.18$ days.

Q835. A can finish a work in 10 days and B in 24 days. In how many days can they finish it together?

- (A) 14
- (B) 7.06
- (C) 17.0
- (D) 17.14

Answer: B

Explanation: Combined rate = $1/10 + 1/24 = (34)/240$; time = $240/34 = 7.06$ days.

Q836. What is 20% of 500?

- (A) 125.0
- (B) 150.0
- (C) 75.0
- (D) 100

Answer: D

Explanation: 20% of 500 = $(20/100) \times 500 = 100$.

Q837. Two quantities are in the ratio 5:7. If their total is 108, what is the first quantity?

- (A) 63
- (B) 108
- (C) 18
- (D) 45

Answer: D

Explanation: Total parts = 12. One part = $108/12 = 9$; first quantity = $5 \times 9 = 45$.

Q838. A can finish a work in 8 days and B in 24 days. In how many days can they finish it together?

- (A) 6.0
- (B) 16.0
- (C) 12.0
- (D) 16

Answer: A

Explanation: Combined rate = $1/8 + 1/24 = (32)/192$; time = $192/32 = 6.0$ days.

Q839. Find the simple interest on Rs. 1200 at 12% per annum for 4 years.

- (A) 576
- (B) 696
- (C) 144
- (D) 456

Answer: A

Explanation: $SI = PRT/100 = 1200 \times 12 \times 4/100 = \text{Rs. } 576$.

Q840. What is 5% of 200?

- (A) 20.0
- (B) 0
- (C) 10
- (D) 30.0

Answer: C

Explanation: 5% of 200 = $(5/100) \times 200 = 10$.

Q841. An item costs Rs. 750. At a profit of 30%, what is the selling price?

- (A) 810
- (B) 780
- (C) 525.0
- (D) 975

Answer: D

Explanation: Selling price = $750 \times (1 + 30/100) = \text{Rs. } 975$.

Q842. An item costs Rs. 240. At a profit of 12%, what is the selling price?

- (A) 264
- (B) 252
- (C) 211.2
- (D) 268.8

Answer: D

Explanation: Selling price = $240 \times (1 + 12/100) = \text{Rs. } 268.8$.

Q843. What is 15% of 400?

- (A) 80.0
- (B) 100.0
- (C) 40.0
- (D) 60

Answer: D

Explanation: 15% of 400 = $(15/100) \times 400 = 60$.

Q844. Find the average of 43, 46, 73, 29, 64.

- (A) 63.8
- (B) 51
- (C) 53
- (D) 49

Answer: B

Explanation: Average = sum / count = $255/5 = 51$.

Q845. A vehicle travels at 45 km/h for 4 hours. What distance does it cover?

- (A) 180
- (B) 11.25
- (C) 202.5
- (D) 49

Answer: A

Explanation: Distance = speed $\times$ time = $45 \times 4 = 180$ km.

Q846. Two quantities are in the ratio 3:4. If their total is 84, what is the first quantity?

- (A) 48
- (B) 84
- (C) 36
- (D) 12

Answer: C

Explanation: Total parts = 7. One part = $84/7 = 12$; first quantity = $3 \times 12 = 36$.

Q847. Two quantities are in the ratio 7:9. If their total is 240, what is the first quantity?

- (A) 135
- (B) 240
- (C) 105
- (D) 30

Answer: C

Explanation: Total parts = 16. One part = $240/16 = 15$; first quantity = $7 \times 15 = 105$.

Q848. A vehicle travels at 54 km/h for 3 hours. What distance does it cover?

- (A) 162
- (B) 18.0
- (C) 57
- (D) 189.0

Answer: A

Explanation: Distance = speed $\times$ time = $54 \times 3 = 162$ km.

Q849. Two quantities are in the ratio 2:3. If their total is 40, what is the first quantity?

- (A) 24
- (B) 40
- (C) 8
- (D) 16

Answer: D

Explanation: Total parts = 5. One part = $40/5 = 8$; first quantity = $2 \times 8 = 16$.

Q850. Find the simple interest on Rs. 3000 at 8% per annum for 2 years.

- (A) 240
- (B) 780
- (C) 180
- (D) 480

Answer: D

Explanation: $SI = \frac{PRT}{100} = \frac{3000 \times 8 \times 2}{100} = \text{Rs. } 480$.

Basic Science & Engineering Awareness

Q851. The unit of electric power is

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q852. The unit of electric power is

- (A) watt
- (B) ohm
- (C) volt
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q853. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin D
- (C) Vitamin A
- (D) Vitamin C

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q854. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q855. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q856. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q857. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 1
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q858. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q859. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin A

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q860. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q861. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin A
- (D) Vitamin C

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q862. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) neutron
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q863. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Newton's law
- (C) Hooke's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q864. The chemical formula of common salt is

- (A) Na_2CO_3
- (B) CaCO_3
- (C) NaCl
- (D) KCl

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q865. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q866. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) Na_2CO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q867. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) watt
- (D) volt

Answer: C

Explanation: Power is measured in watts.

Q868. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 0
- (C) 1
- (D) 14

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q869. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 7
- (C) 1
- (D) 0

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q870. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 1
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q871. The unit of electric power is

- (A) ampere
- (B) watt
- (C) ohm
- (D) volt

Answer: B

Explanation: Power is measured in watts.

Q872. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 1
- (C) 14
- (D) 0

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q873. The unit of electric power is

- (A) watt
- (B) volt
- (C) ohm
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q874. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Newton's law
- (D) Hooke's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q875. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 1
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q876. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q877. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin A

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q878. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 14
- (C) 1
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q879. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q880. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin C
- (D) Vitamin K

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q881. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q882. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q883. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q884. The pH of a neutral solution at 25 C is

- (A) 7
- (B) 0
- (C) 14
- (D) 1

Answer: A

Explanation: Neutral water has pH 7 at 25 C.

Q885. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 7
- (C) 1
- (D) 0

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q886. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q887. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Boyle's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q888. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin K
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q889. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 14
- (C) 7
- (D) 0

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q890. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin C
- (C) Vitamin K
- (D) Vitamin A

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q891. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s²
- (B) 3.0 m/s²
- (C) 98 m/s²
- (D) 9.8 m/s²

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q892. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Newton's law
- (C) Hooke's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q893. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s²
- (B) 9.8 m/s²
- (C) 98 m/s²
- (D) 0.98 m/s²

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q894. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q895. The unit of electric power is

- (A) watt
- (B) volt
- (C) ampere
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q896. The unit of electric power is

- (A) watt
- (B) ampere
- (C) ohm
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q897. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q898. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) Na_2CO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q899. The unit of electric power is

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q900. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q901. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) CaCO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q902. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q903. The chemical formula of common salt is

- (A) KCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q904. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin C

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q905. The unit of electric power is

- (A) ohm
- (B) watt
- (C) volt
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q906. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s²
- (B) 9.8 m/s²
- (C) 98 m/s²
- (D) 0.98 m/s²

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q907. The chemical formula of common salt is

- (A) KCl
- (B) CaCO_3
- (C) Na_2CO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q908. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) neutron
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q909. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Hooke's law
- (C) Newton's law
- (D) Ohm's law

Answer: D

Explanation: Ohm's law gives $V = IR$.

Q910. Which particle has a negative electric charge?

- (A) electron
- (B) alpha particle
- (C) neutron
- (D) proton

Answer: A

Explanation: Electrons carry negative charge.

Q911. Which particle has a negative electric charge?

- (A) proton
- (B) electron
- (C) alpha particle
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q912. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO_3
- (C) Na_2CO_3
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q913. The unit of electric power is

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q914. The unit of electric power is

- (A) volt
- (B) ohm
- (C) ampere
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q915. The unit of electric power is

- (A) volt
- (B) ohm
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q916. The unit of electric power is

- (A) ohm
- (B) volt
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q917. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin A

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q918. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q919. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) KCl
- (D) Na_2CO_3

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q920. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 1
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q921. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 0
- (C) 7
- (D) 1

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q922. The unit of electric power is

- (A) ampere
- (B) volt
- (C) ohm
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q923. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin A

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q924. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Boyle's law
- (C) Newton's law
- (D) Hooke's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q925. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Hooke's law
- (D) Newton's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q926. The unit of electric power is

- (A) watt
- (B) ampere
- (C) volt
- (D) ohm

Answer: A

Explanation: Power is measured in watts.

Q927. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q928. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Boyle's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q929. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 14
- (C) 1
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q930. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) Na_2CO_3
- (D) KCl

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q931. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 3.0 m/s^2
- (C) 9.8 m/s^2
- (D) 0.98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q932. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q933. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Newton's law
- (C) Ohm's law
- (D) Hooke's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q934. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Newton's law
- (C) Hooke's law
- (D) Boyle's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q935. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Newton's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q936. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q937. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q938. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 98 m/s^2
- (C) 0.98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q939. The chemical formula of common salt is

- (A) NaCl
- (B) KCl
- (C) CaCO_3
- (D) Na_2CO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q940. The chemical formula of common salt is

- (A) KCl
- (B) NaCl
- (C) Na_2CO_3
- (D) CaCO_3

Answer: B

Explanation: Common salt is sodium chloride, NaCl.

Q941. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q942. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Boyle's law
- (C) Hooke's law
- (D) Newton's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q943. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin C
- (D) Vitamin D

Answer: D

Explanation: Sunlight helps the skin synthesize vitamin D.

Q944. Which particle has a negative electric charge?

- (A) neutron
- (B) electron
- (C) proton
- (D) alpha particle

Answer: B

Explanation: Electrons carry negative charge.

Q945. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s^2
- (B) 0.98 m/s^2
- (C) 3.0 m/s^2
- (D) 98 m/s^2

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q946. The chemical formula of common salt is

- (A) CaCO_3
- (B) KCl
- (C) Na_2CO_3
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q947. The chemical formula of common salt is

- (A) KCl
- (B) CaCO_3
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q948. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Newton's law
- (C) Hooke's law
- (D) Boyle's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q949. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 98 m/s^2
- (C) 0.98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q950. Which particle has a negative electric charge?

- (A) alpha particle
- (B) neutron
- (C) proton
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q951. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q952. The unit of electric power is

- (A) ampere
- (B) ohm
- (C) volt
- (D) watt

Answer: D

Explanation: Power is measured in watts.

Q953. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO_3
- (C) KCl
- (D) Na_2CO_3

Answer: A

Explanation: Common salt is sodium chloride, NaCl .

Q954. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO_3
- (C) Na_2CO_3
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl .

Q955. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 7
- (C) 14
- (D) 1

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q956. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin A
- (B) Vitamin K
- (C) Vitamin D
- (D) Vitamin C

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q957. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin A
- (C) Vitamin D
- (D) Vitamin K

Answer: C

Explanation: Sunlight helps the skin synthesize vitamin D.

Q958. The unit of electric power is

- (A) watt
- (B) volt
- (C) ohm
- (D) ampere

Answer: A

Explanation: Power is measured in watts.

Q959. The chemical formula of common salt is

- (A) CaCO_3
- (B) NaCl
- (C) KCl
- (D) Na_2CO_3

Answer: B

Explanation: Common salt is sodium chloride, NaCl .

Q960. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 3.0 m/s^2
- (C) 98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q961. Which particle has a negative electric charge?

- (A) alpha particle
- (B) proton
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q962. The unit of electric power is

- (A) volt
- (B) watt
- (C) ampere
- (D) ohm

Answer: B

Explanation: Power is measured in watts.

Q963. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Hooke's law
- (C) Ohm's law
- (D) Newton's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q964. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin A
- (C) Vitamin C
- (D) Vitamin K

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q965. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 98 m/s^2
- (C) 0.98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q966. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin D
- (B) Vitamin C
- (C) Vitamin A
- (D) Vitamin K

Answer: A

Explanation: Sunlight helps the skin synthesize vitamin D.

Q967. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q968. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Ohm's law
- (B) Newton's law
- (C) Hooke's law
- (D) Boyle's law

Answer: A

Explanation: Ohm's law gives $V = IR$.

Q969. The unit of electric power is

- (A) volt
- (B) watt
- (C) ohm
- (D) ampere

Answer: B

Explanation: Power is measured in watts.

Q970. Acceleration due to gravity near Earth's surface is approximately

- (A) 0.98 m/s^2
- (B) 9.8 m/s^2
- (C) 98 m/s^2
- (D) 3.0 m/s^2

Answer: B

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q971. Which particle has a negative electric charge?

- (A) electron
- (B) neutron
- (C) proton
- (D) alpha particle

Answer: A

Explanation: Electrons carry negative charge.

Q972. The unit of electric power is

- (A) watt
- (B) ohm
- (C) ampere
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q973. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 0
- (C) 14
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q974. Acceleration due to gravity near Earth's surface is approximately

- (A) 3.0 m/s^2
- (B) 0.98 m/s^2
- (C) 9.8 m/s^2
- (D) 98 m/s^2

Answer: C

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q975. Acceleration due to gravity near Earth's surface is approximately

- (A) 98 m/s^2
- (B) 3.0 m/s^2
- (C) 0.98 m/s^2
- (D) 9.8 m/s^2

Answer: D

Explanation: Near Earth's surface, g is approximately 9.8 m/s^2 .

Q976. Which particle has a negative electric charge?

- (A) proton
- (B) neutron
- (C) alpha particle
- (D) electron

Answer: D

Explanation: Electrons carry negative charge.

Q977. Which particle has a negative electric charge?

- (A) neutron
- (B) proton
- (C) electron
- (D) alpha particle

Answer: C

Explanation: Electrons carry negative charge.

Q978. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Newton's law
- (B) Boyle's law
- (C) Ohm's law
- (D) Hooke's law

Answer: C

Explanation: Ohm's law gives $V = IR$.

Q979. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) KCl
- (D) CaCO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q980. The unit of electric power is

- (A) watt
- (B) ohm
- (C) ampere
- (D) volt

Answer: A

Explanation: Power is measured in watts.

Q981. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s²
- (B) 98 m/s²
- (C) 3.0 m/s²
- (D) 0.98 m/s²

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q982. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 1
- (C) 0
- (D) 7

Answer: D

Explanation: Neutral water has pH 7 at 25 C.

Q983. Which law states that current is directly proportional to voltage at constant temperature?

- (A) Boyle's law
- (B) Ohm's law
- (C) Newton's law
- (D) Hooke's law

Answer: B

Explanation: Ohm's law gives $V = IR$.

Q984. Which vitamin is synthesized in skin on exposure to sunlight?

- (A) Vitamin C
- (B) Vitamin D
- (C) Vitamin K
- (D) Vitamin A

Answer: B

Explanation: Sunlight helps the skin synthesize vitamin D.

Q985. The pH of a neutral solution at 25 C is

- (A) 14
- (B) 7
- (C) 1
- (D) 0

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

Q986. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 7
- (D) 14

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q987. Which particle has a negative electric charge?

- (A) alpha particle
- (B) electron
- (C) proton
- (D) neutron

Answer: B

Explanation: Electrons carry negative charge.

Q988. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) KCl
- (D) Na₂CO₃

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q989. The unit of electric power is

- (A) volt
- (B) ohm
- (C) watt
- (D) ampere

Answer: C

Explanation: Power is measured in watts.

Q990. Acceleration due to gravity near Earth's surface is approximately

- (A) 9.8 m/s²
- (B) 0.98 m/s²
- (C) 98 m/s²
- (D) 3.0 m/s²

Answer: A

Explanation: Near Earth's surface, g is approximately 9.8 m/s².

Q991. The chemical formula of common salt is

- (A) NaCl
- (B) CaCO₃
- (C) Na₂CO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q992. The chemical formula of common salt is

- (A) CaCO₃
- (B) Na₂CO₃
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl.

Q993. The chemical formula of common salt is

- (A) CaCO₃
- (B) NaCl
- (C) KCl
- (D) Na₂CO₃

Answer: B

Explanation: Common salt is sodium chloride, NaCl.

Q994. Which particle has a negative electric charge?

- (A) neutron
- (B) alpha particle
- (C) electron
- (D) proton

Answer: C

Explanation: Electrons carry negative charge.

Q995. The chemical formula of common salt is

- (A) NaCl
- (B) Na₂CO₃
- (C) CaCO₃
- (D) KCl

Answer: A

Explanation: Common salt is sodium chloride, NaCl.

Q996. Which particle has a negative electric charge?

- (A) proton
- (B) alpha particle
- (C) electron
- (D) neutron

Answer: C

Explanation: Electrons carry negative charge.

Q997. The chemical formula of common salt is

- (A) CaCO_3
- (B) Na_2CO_3
- (C) KCl
- (D) NaCl

Answer: D

Explanation: Common salt is sodium chloride, NaCl .

Q998. The pH of a neutral solution at 25 C is

- (A) 0
- (B) 1
- (C) 7
- (D) 14

Answer: C

Explanation: Neutral water has pH 7 at 25 C.

Q999. The chemical formula of common salt is

- (A) KCl
- (B) CaCO_3
- (C) NaCl
- (D) Na_2CO_3

Answer: C

Explanation: Common salt is sodium chloride, NaCl .

Q1000. The pH of a neutral solution at 25 C is

- (A) 1
- (B) 7
- (C) 0
- (D) 14

Answer: B

Explanation: Neutral water has pH 7 at 25 C.

End Note

Use this bank for timed practice, revision, and concept reinforcement. ExamGurux recommends checking the official notification for any change in syllabus, marking scheme, duration, or eligibility.

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