
1. The following plots show variation of velocity (v) with time (t) of a ball thrown vertically upward. Which of the following plots is/are correct?

- (1) B only
- (2) A and E only
- (3) D only
- (4) C only

उत्तर: (2) A and E only

2. For a metal of work function 6.6 eV, which of the following wavelength of incident radiation does not give rise to photoelectric effect?

- (1) 50 nm
- (2) 100 nm
- (3) 150 nm
- (4) 200 nm

उत्तर: (4) 200 nm

3. The power of a crane which lifts a mass of 1000 kg to a height of 20 m in 10 s is ($g = 9.8 \text{ m/s}^2$)

- (1) 39.2 kW
- (2) 39.2 W
- (3) 19.6 kW
- (4) 19.6 W

उत्तर: (1) 39.2 kW

4. Match List I with List II (From page 1)

उत्तर: (4)

5. The magnitude and direction of the acceleration produced in a body of mass 5 kg when two mutually perpendicular forces 8 N and 6 N act on it, are respectively:

- (1) 2 m/s^2
- (2) $\tan^{-1}(3/4)$
- (3) 20 m/s^2
- (4) 45°

उत्तर: (1)

6. The sum of kinetic energy and potential energy of a simple pendulum bob is 0.02 joule. The speed of the pendulum at mean position is approximately:

- (1) 1.41 m/s
- (2) 2 m/s
- (3) 0.9 m/s
- (4) 0.2 m/s

उत्तर: (1) 1.41 m/s

7. A box of mass 15 kg is kept on the floor of a stationary trolley. Coefficient of friction is 0.12. The maximum acceleration with which trolley can be moved without slipping is:

- (1) 1.2 m/s^2

- (2) 1.8 m/s^2
- (3) 2 m/s^2
- (4) 3 m/s^2

उत्तर: (1) 1.2 m/s^2

8. The speed of light in vacuum is c . If it takes 6 min 40 s to reach the Earth from the Sun, the distance between Sun and Earth in new unit is:

- (1) 500
- (2) 3×10^8
- (3) 400
- (4) 3×10^{10}

उत्तर: (4) 3×10^{10}

9. In the circuit shown, the voltage appearing across the diode D will be of the form:

- (1)
- (2)
- (3)
- (4)

उत्तर: (2)

10. A submarine is designed to withstand an absolute pressure of 100 atm. How deep can it go below the surface of the sea?

- (1) 90 m
- (2) 900 m
- (3) 99 m
- (4) 9900 m

उत्तर: (2) 900 m

11. An electric heater supplies heat to a system at a rate of 100 W. If the system performs work at a rate of 75 W, then the rate of increase in internal energy is:

- (1) 125 W
- (2) 75 W
- (3) 100 W
- (4) 25 W

उत्तर: (4) 25 W

12. A 100-turn closely wound circular coil of radius 5 cm has a magnetic field of $3.14 \times 10^{-3} \text{ T}$ at its centre. The current flowing through the coil, and the magnetic dipole moment of this coil are, respectively:

- (1) 2 A, 4 A m^2
- (2) 2.5 A, 4 A m^2
- (3) 2.5 A, 20 A m^2
- (4) 2 A, 10 A m^2

उत्तर: (3) 2.5 A, 20 A m^2

13. In Young's double slit experiment, the intensity of light is $4K$ at points where path difference is $\lambda/6$. The intensity of light at a point where path difference is $\lambda/3$ will be:

- (1) K
- (2) $2K$
- (3) $K/2$
- (4) $4K$

उत्तर: (1) K

14. The current I in the circuit shown below is:

- (1) $5/3$ A
- (2) $5/9$ A
- (3) $15/2$ A
- (4) 1 A

उत्तर: (1) $5/3$ A

15. In a concave lens, a ray of light emanating from the optical centre parallel to the principal axis after refraction:

- (1) passes through second principal focus
- (2) appears to diverge from first principal focus
- (3) emerges parallel to principal axis
- (4) passes through centre

उत्तर: (2) appears to diverge from first principal focus

16. A galvanometer of resistance 100Ω gives full scale deflection for 1 mA. It is to be converted into an ammeter of range 0–10 A. The shunt required is:

- (1) 0.01Ω
- (2) 0.001Ω
- (3) 1Ω
- (4) 10Ω

उत्तर: (2) 0.001Ω

17. The binding energy of hydrogen atom in its ground state is 13.6 eV. The radius of the electron orbit is approximately:

- (1) 5.3×10^{-11} m
- (2) 2.1×10^{-10} m
- (3) 3.1×10^{-11} m
- (4) 2.1×10^{-9} m

उत्तर: (1) 5.3×10^{-11} m

18. The amount of water (R) to raise a height ' m ' from surface of Earth to a height equal to radius of Earth ' R ' will be:

- (1) mgR
- (2) $mgR/2$
- (3) $mgR/4$

(4) mgR/8

उत्तर: (2) mgR/2

19. An a.c. circuit contains resistance of $1\text{ k}\Omega$, a capacitor of $0.1\text{ }\mu\text{F}$ and an inductor of 1 mH connected in series. The resonance frequency is approximately:

(1) 13.5 kHz

(2) 15.9 kHz

(3) 10.1 kHz

(4) 20.7 kHz

उत्तर: (2) 15.9 kHz

20. Consider two uncharged capacitors of equal capacitance 200 pF . One is charged by 100 V supply and then disconnected. Now capacitor is connected to uncharged capacitor. The amount of charge lost in the process is:

(1) $1.0 \times 10^{-6}\text{ C}$

(2) $0.5 \times 10^{-6}\text{ C}$

(3) $0.25 \times 10^{-6}\text{ C}$

(4) 0

उत्तर: (2) $0.5 \times 10^{-6}\text{ C}$

21. A ray of monochromatic light is passing through an equilateral prism. The refracted ray makes an angle of 60° inside prism. The angle of incidence is:

(1) 45°

(2) 40°

(3) 35°

(4) 55°

उत्तर: (1) 45°

22. In a meter bridge experiment, the galvanometer shows no deflection. This means:

(1) only left side balanced

(2) both sides balanced

(3) only right side balanced

(4) none

उत्तर: (2) both sides balanced

23. A flask contains argon and chlorine gases in ratio 2:1 by mass. The ratio of rms speed is:

(1) $\sqrt{7/2}$

(2) $\sqrt{2/7}$

(3) $\sqrt{7/2}$

(4) $\sqrt{7}$

उत्तर: (2)

24. Two statements are given below:

A: Increase in forward bias increases current

B: This current is called reverse saturation current

Choose correct answer:

- (1) Both true
- (2) Both false
- (3) A true, B false
- (4) A false, B true

उत्तर: (3) A true, B false

25. For travelling harmonic wave equation given, phase difference is:

- (1) 0.08 rad
- (2) 0.8 rad
- (3) 0.008 rad
- (4) 0.04 rad

उत्तर: (1) 0.08 rad

26. A rectangular wire loop in uniform magnetic field produces emf of:

- (1) $4.8 \times 10^{-4} \text{ V}$
- (2) $1.3 \times 10^{-4} \text{ V}$
- (3) $1.2 \times 10^{-4} \text{ V}$
- (4) $1.8 \times 10^{-4} \text{ V}$

उत्तर: (3) $1.2 \times 10^{-4} \text{ V}$

27. A thin wire bent into circular ring, moment of inertia is:

- (1) $3mL^2/8$
- (2) $3mL^2/2$
- (3) $3mL^2/4$
- (4) $3mL^2/8$

उत्तर: (3)

28. A resistor connected to 12 V battery with internal resistance 2Ω , terminal voltage is:

- (1) 10 V
- (2) 12 V
- (3) 8 V
- (4) 6 V

उत्तर: (1) 10 V

29. Five runners have different reaction times. Order of finishing is:

- (1) $C > D > A > E > B$
- (2) $C > D > A > B > E$
- (3) $B > E > A > D > C$
- (4) $A > B > C > D > E$

उत्तर: (1) $C > D > A > E > B$

30. The angular speed of flywheel is reduced. Number of revolutions is:

- (1) 300

- (2) 150
- (3) 200
- (4) 600

उत्तर: (1) 300

31. The figure given below shows a long straight solid wire of circular cross-section. The current is uniformly distributed. The variation of magnetic field with distance (r) from the axis of the conductor is:

- (1)
- (2)
- (3)
- (4)

उत्तर: (2)

32. Four statements are given:

- (1) Volume of nucleus $\propto A^{(1/3)}$
- (2) Volume of nucleus $\propto A$
- (3) Difference in mass of atom and nucleus is mass defect
- (4) Difference in mass of nucleus and its constituents is mass defect

उत्तर: (4)

33. Savita performs experiment and finds time period. Length of simple pendulum is:

- (1) 2 m
- (2) 1 m
- (3) 0.75 m
- (4) 1.5 m

उत्तर: (2) 1 m

34. In a vernier calipers, 20 VSD coincide with 16 MSD. Least count is:

- (1) 0.01 cm
- (2) 0.02 cm
- (3) 0.1 cm
- (4) 0.2 cm

उत्तर: (2) 0.02 cm

35. Density of metal cube is:

- (1) 7.654×10^3
- (2) 7.6×10^3
- (3) 7.65×10^3
- (4) 7.7×10^3

उत्तर: (3) 7.65×10^3

36. In interference and diffraction:

- (1) A false, B true
- (2) A true, B false
- (3) A true, B true
- (4) both false

उत्तर: (3) A true, B true

37. Five capacitors connected. Equivalent capacitance is:

- (1) $5 \mu\text{F}$
- (2) $4 \mu\text{F}$
- (3) $2 \mu\text{F}$
- (4) $1 \mu\text{F}$

उत्तर: (2) $4 \mu\text{F}$

38. In simple pendulum KE vs time graph is:

- (1)
- (2)
- (3)
- (4)

उत्तर: (1)

39. A room heater is rated 400 W, supply reduces to 200 V. Power consumed is:

- (1) 121 W
- (2) 200 W
- (3) 400 W
- (4) 331 W

उत्तर: (1) 121 W

40. Peak value of AC current is 5A, frequency 60 Hz. Time to reach peak:

- (1) $1/60 \text{ s}$
- (2) $1/240 \text{ s}$
- (3) $1/30 \text{ s}$
- (4) $1/120 \text{ s}$

उत्तर: (2) $1/240 \text{ s}$

41. Electrostatic field inside conductor is:

- (1) zero
- (2) depends
- (3) constant
- (4) none

उत्तर: (1) zero

42. Match List I with II (Electromagnetic waves):

उत्तर: (4)

43. A wire bent into square loop, current is:

- (1) 4 A
- (2) 8 A
- (3) 4.5 A
- (4) 2 A

उत्तर: (2) 8 A

44. Unknown nucleus mass number:

- (1) 19
- (2) 20
- (3) 16
- (4) 18

उत्तर: (2) 20

45. Match Young's modulus, Compressibility etc.:

उत्तर: (3)

46. Correct statement regarding DNA/RNA:

- (1) DNA single helix
- (2) DNA double helix
- (3) RNA double helix
- (4) RNA single helix

उत्तर: (2) DNA double helix

47. Match quantum numbers:

उत्तर: (2)

48. Elements in organic compound evolved from:

- (1) covalent to ionic
- (2) covalent to covalent
- (3) ionic to ionic
- (4) ionic to covalent

उत्तर: (4)

49. Number of chlorine atoms:

- (1) 3 and 6
- (2) 6 and 3
- (3) 3 and 3
- (4) 6 and 6

उत्तर: (2) 6 and 3

50. Separation method of X and Y:

- (1) Sublimation

- (2) Differential extraction
- (3) Continuous extraction
- (4) Fractional distillation

उत्तर: (4) Fractional distillation

51. Geometry of ClF_3 :

- (1) T-shaped
- (2) trigonal planar
- (3) square planar
- (4) tetrahedral

उत्तर: (1) T-shaped

52. Functional group identified by phthalein dye test:

- (1) Alcohol
- (2) Aldehyde
- (3) Phenolic
- (4) Carboxylic acid

उत्तर: (3) Phenolic

53. Mass of copper deposited:

- (1) 0.25 g
- (2) 1.70 g
- (3) 2.40 g
- (4) 0.58 g

उत्तर: (4) 0.58 g

54. Match transition elements:

उत्तर: (2)

55. Match geometry compounds:

उत्तर: (1)

56. Incorrect statement:

उत्तर: (3)

57. Activation energy calculation:

- (1) 11.34
- (2) 18.63
- (3) 24.84
- (4) 12.42

उत्तर: (3) 24.84

58. Phenolphthalein color change:

- (1) pink to colourless

(2) colourless to pink

(3) yellow to pink

(4) pink to yellow

उत्तर: (2) colourless to pink

59. Methane reaction with steam gives:

(1) $\text{CO} + \text{H}_2$

(2) $\text{CO}_2 + \text{H}_2$

(3) $\text{CO}_2 + \text{H}_2\text{O}$

(4) $\text{CO} + \text{H}_2\text{O}$

उत्तर: (1) $\text{CO} + \text{H}_2$

60. Match reactions list:

उत्तर: (3)

प्रश्न 61–80 (Answer साथ में)

61. The pair of molecules that are metamerism among the following is:

(1) CH_3COCH_3 and $\text{CH}_3\text{COC}_2\text{H}_5$

(2) $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_3$ and $\text{CH}_3\text{CH}(\text{CH}_3)_2$

(3) CH_3COCH_3 and $\text{CH}_3\text{CH}_2\text{CHO}$

(4) $\text{CH}_3\text{CH}_2\text{CHO}$ and $\text{CH}_3\text{CH}(\text{OH})\text{CH}_3$

उत्तर: (1)

62. Match List I with List II (Complex compounds):

उत्तर: (2)

63. Number of hydrogen atoms in 5.4 g of urea:

(1) 2.168×10^{22}

(2) 2.168×10^{23}

(3) 1.084×10^{22}

(4) 1.084×10^{23}

उत्तर: (4) 1.084×10^{23}

64. Spin only magnetic moment of Ti^{2+} :

(1) 3.87 BM

(2) 5.92 BM

(3) 4.90 BM

(4) 2.84 BM

उत्तर: (4) 2.84 BM

65. Order of reaction from graph:

(1) 1

(2) 2

(3) 0

(4) 2.5

उत्तर: (1) 1

66. Identify compounds P and Q:

उत्तर: (2)

67. Match order of reaction with unit of rate constant:

उत्तर: (1)

68. Oxidation state of Th:

उत्तर: (3)

69. Identify correct ion (vinegar smell test):

(1) Carbonate

(2) Sulphate

(3) Acetate

(4) Sulphide

उत्तर: (3) Acetate

70. EMF of half cell:

उत्तर: (2)

71. Concentration relation question:

(1) 4

(2) 6

(3) 10

(4) 12

उत्तर: (3) 10

72. IUPAC name of compound:

(1) 3-methylhexane

(2) 3-ethyl-5-methylheptane

(3) 3,5-diethylhexane

(4) 2,4-diethylhexane

उत्तर: (2)

73. Reaction giving same smelling product Z:

उत्तर: (4)

74. Distance question:

(1) 15 m

(2) 20 m

(3) 25 m

(4) 40 m

उत्तर: (2) 20 m

75. Incorrect statement:

उत्तर: (1)

76. Classification question:

उत्तर: (2)

77. Formal charges:

उत्तर: (3)

78. Thermodynamics work-energy:

(1) 500 J

(2) 400 J

(3) 300 J

(4) 200 J

उत्तर: (2) 400 J

79. Gibbs free energy:

उत्तर: (4)

80. Reagents reducing nitriles to amines:

उत्तर: (1)

प्रश्न 81–100 (Answer साथ में)

81. Ambidentate ligand is:

(1) Oxalate

(2) EDTA

(3) Thiocyanate

(4) Ethylenediamine

उत्तर: (3) Thiocyanate

82. Number of photons emitted per second:

उत्तर: (3)

83. Incorrect statement (Nitrogen etc.):

उत्तर: (2)

84. Correct order of metallic character:

उत्तर: (1)

85. pH calculation:

उत्तर: (2)

86. Match List (Orbitals):

उत्तर: (1)

87. Reaction identification:

उत्तर: (4)

88. Reaction sequence X and Z:

उत्तर: (2)

89. Major product:

उत्तर: (3)

90. Composition of gaseous mixture:

उत्तर: (1)

91. Match cell cycle:

उत्तर: (3)

92. Match genetics terms:

उत्तर: (2)

93. Correct statements (ecosystem):

उत्तर: (3)

94. Transcription unit statements:

उत्तर: (1)

95. Honeybee sex determination:

उत्तर: (2)

96. Match cellular processes:

उत्तर: (1)

97. ATP & NADPH required:

उत्तर: (4)

98. Match genetically modified organisms:

उत्तर: (1)

99. Ovaries not enclosed ovary wall:

उत्तर: (3)

100. Enzyme for carboxylation in Calvin cycle:

(1) Carboxypeptidase

(2) PEP carboxylase

(3) RuBP carboxylase

(4) Hexokinase

उत्तर: (3) RuBP carboxylase

प्रश्न 101–120 (Answer साथ में)

101. Match List I with List II (Drugs):

उत्तर: (4)

102. Which of the following statements are correct regarding amino acids?

- (1) They are substituted methanes
- (2) Serine is an aromatic amino acid
- (3) Valine is a neutral amino acid
- (4) Lysine is an acidic amino acid

उत्तर: (3) Valine is a neutral amino acid

103. Which disorder is caused by substitution of Glu by Val?

- (1) Thalassemia
- (2) Haemophilia
- (3) Sickle-cell anemia
- (4) Phenylketonuria

उत्तर: (3) Sickle-cell anemia

104. Which organelle is the site of active ribosomal RNA synthesis?

- (1) Kinetochore
- (2) Centrosome
- (3) Chromatin
- (4) Nucleolus

उत्तर: (4) Nucleolus

105. Which statement is not true about binomial nomenclature?

उत्तर: (4)

106. Match List I with List II (Growth regulators):

उत्तर: (3)

107. Match plant tissues:

उत्तर: (1)

108. Which type of pollination brings genetically different pollen grains?

- (1) Cleistogamy
- (2) Autogamy
- (3) Geitonogamy
- (4) Xenogamy

उत्तर: (4) Xenogamy

109. Heterophylly development is due to:

- (1) Plasticity
- (2) Dedifferentiation
- (3) Redifferentiation
- (4) Elasticity

उत्तर: (1) Plasticity

110. Restriction endonucleases do not recognize:

उत्तर: (2)

111. Steps of DNA fingerprinting:

उत्तर: (4)

112. Incorrect statement about photosynthesis:

उत्तर: (3)

113. Steps of somatic hybridisation:

उत्तर: (2)

114. Main function of bulliform cells:

- (1) to make leaf impermeable
- (2) to perform photosynthesis
- (3) to minimize water loss during stress
- (4) to transport water

उत्तर: (3)

115. Correct sequence of microsporogenesis:

उत्तर: (1)

116. In situ conservation method:

- (1) Seed bank
- (2) Wildlife sanctuary
- (3) Botanical gardens
- (4) Sacred groves

उत्तर: (2) Wildlife sanctuary

117. Which of the following is a triploid cell?

- (1) Zygote
- (2) Central cell
- (3) Primary endosperm cell
- (4) Synergid

उत्तर: (3)

118. Present species extinction rate is:

उत्तर: (4)

119. Gene codes for:

- (1) permease
- (2) repressor
- (3) transacetylase
- (4) β -galactosidase

उत्तर: (2)

120. Incorrect statement about inflorescence:

उत्तर: (3)

प्रश्न 121–140 (Answer साथ में)

121. Five kingdom classification criteria:

उत्तर: (4)

122. Evil Quartet includes:

उत्तर: (1)

123. Correct sequence of PCR steps:

- (1) Annealing → Denaturation → Extension
- (2) Extension → Annealing → Denaturation
- (3) Denaturation → Extension → Annealing
- (4) Denaturation → Annealing → Extension

उत्तर: (4)

124. Respiratory quotient value:

- (1) 1.0
- (2) < 0.5
- (3) 0.5–0.95
- (4) 1.25–2

उत्तर: (3)

125. Exploring biodiversity for economic importance is:

- (1) Biomagnification
- (2) Bioremediation
- (3) Bioprospecting
- (4) Biopiracy

उत्तर: (3) Bioprospecting

126. Match List (Ecology):

उत्तर: (2)

127. Correct biomolecule statements:

उत्तर: (3)

128. Region for root hair formation:

- (1) Meristematic
- (2) Elongation
- (3) Maturation
- (4) Root cap

उत्तर: (3)

129. Not a characteristic of elongation:

उत्तर: (3)

130. Floral formula of Solanaceae:

उत्तर: (4)

131. Correct statements about DNA:

उत्तर: (2)

132. DNA separation statements:

उत्तर: (3)

133. Alpha helix level:

- (1) Primary
- (2) Secondary
- (3) Tertiary
- (4) Quaternary

उत्तर: (2)

134. Match productivity:

उत्तर: (1)

135. Match placentation:

उत्तर: (4)

136. Frog anatomy statements:

उत्तर: (3)

137. Paddle-like limbs modification:

उत्तर: (1)

138. Male frog identification:

उत्तर: (3)

139. Fish group classification:

उत्तर: (2)

140. Respiration steps sequence:

उत्तर: (4)

प्रश्न 141–160 (Answer साथ में)

141. In Krebs cycle, the first product formed is:

- (1) Oxaloacetate
- (2) Citrate
- (3) Succinate
- (4) Fumarate

उत्तर: (2) Citrate

142. Which enzyme is responsible for conversion of pyruvate to acetyl CoA?

- (1) Pyruvate dehydrogenase
- (2) Hexokinase
- (3) ATP synthase
- (4) RuBisCO

उत्तर: (1)

143. In which phase of meiosis crossing over occurs?

- (1) Prophase I
- (2) Metaphase I
- (3) Anaphase I
- (4) Telophase I

उत्तर: (1)

144. The genetic material of HIV is:

- (1) DNA
- (2) RNA
- (3) Protein
- (4) Lipid

उत्तर: (2)

145. Which hormone regulates sleep-wake cycle?

- (1) Thyroxine
- (2) Melatonin
- (3) Insulin
- (4) Adrenaline

उत्तर: (2)

146. Which gland is known as master gland?

- (1) Thyroid
- (2) Pituitary
- (3) Adrenal
- (4) Pancreas

उत्तर: (2)

147. The functional unit of kidney is:

- (1) Neuron
- (2) Nephron
- (3) Alveoli
- (4) Glomerulus

उत्तर: (2)

148. Which blood group is universal donor?

- (1) A
- (2) B
- (3) AB
- (4) O

उत्तर: (4)

149. Which vitamin helps in blood clotting?

- (1) Vitamin A
- (2) Vitamin B
- (3) Vitamin C
- (4) Vitamin K

उत्तर: (4)

150. Which part of brain controls balance?

- (1) Cerebrum
- (2) Cerebellum
- (3) Medulla
- (4) Hypothalamus

उत्तर: (2)

151. Which organ purifies blood?

- (1) Heart
- (2) Kidney
- (3) Liver
- (4) Lungs

उत्तर: (2)

152. The largest gland in human body is:

- (1) Pancreas
- (2) Liver
- (3) Thyroid
- (4) Pituitary

उत्तर: (2)

153. The main function of RBC is:

- (1) fight infection
- (2) carry oxygen
- (3) clot blood
- (4) digestion

उत्तर: (2)

154. Which part of plant performs photosynthesis?

- (1) Root
- (2) Stem
- (3) Leaf
- (4) Flower

उत्तर: (3)

155. Which gas is released during photosynthesis?

- (1) CO₂
- (2) O₂
- (3) N₂

(4) H₂

उत्तर: (2)

156. The powerhouse of cell is:

- (1) Nucleus
- (2) Ribosome
- (3) Mitochondria
- (4) Golgi body

उत्तर: (3)

157. Which part of plant absorbs water?

- (1) Stem
- (2) Leaf
- (3) Root
- (4) Flower

उत्तर: (3)

158. Which nutrient gives energy?

- (1) Protein
- (2) Vitamin
- (3) Carbohydrate
- (4) Mineral

उत्तर: (3)

159. Which vitamin is obtained from sunlight?

- (1) A
- (2) B
- (3) C
- (4) D

उत्तर: (4)

160. Which organ pumps blood?

- (1) Brain
- (2) Heart
- (3) Kidney
- (4) Liver

उत्तर: (2)

प्रश्न 161–180 (Answer साथ में)

161. Which blood vessel carries blood away from heart?

- (1) Vein
- (2) Artery
- (3) Capillary
- (4) Nerve

उत्तर: (2)

162. Which organ helps in breathing?

- (1) Heart
- (2) Lungs
- (3) Kidney
- (4) Liver

उत्तर: (2)

163. Which disease is caused by deficiency of vitamin C?

- (1) Rickets
- (2) Scurvy
- (3) Night blindness
- (4) Beriberi

उत्तर: (2)

164. Which part of digestive system absorbs nutrients?

- (1) Stomach
- (2) Small intestine
- (3) Large intestine
- (4) Liver

उत्तर: (2)

165. Which hormone controls blood sugar level?

- (1) Thyroxine
- (2) Insulin
- (3) Adrenaline
- (4) Estrogen

उत्तर: (2)

166. Which organ stores bile?

- (1) Liver
- (2) Gall bladder
- (3) Pancreas
- (4) Kidney

उत्तर: (2)

167. Which part of eye controls light entry?

- (1) Retina
- (2) Cornea
- (3) Iris
- (4) Lens

उत्तर: (3)

168. Which organ produces urine?

- (1) Liver
- (2) Kidney
- (3) Bladder
- (4) Heart

उत्तर: (2)

169. Which type of joint is present in shoulder?

- (1) Hinge
- (2) Ball and socket
- (3) Pivot
- (4) Fixed

उत्तर: (2)

170. Which mineral is essential for bones?

- (1) Iron
- (2) Calcium
- (3) Sodium
- (4) Potassium

उत्तर: (2)

171. Which organ controls body activities?

- (1) Heart
- (2) Brain
- (3) Kidney
- (4) Liver

उत्तर: (2)

172. Which gas is taken in during respiration?

- (1) CO₂
- (2) O₂
- (3) N₂
- (4) H₂

उत्तर: (2)

173. Which part of plant transports water?

- (1) Phloem
- (2) Xylem
- (3) Cambium
- (4) Cortex

उत्तर: (2)

174. Which vitamin helps vision?

- (1) A
- (2) B
- (3) C
- (4) D

उत्तर: (1)

175. Which enzyme digests protein?

- (1) Amylase
- (2) Lipase
- (3) Pepsin

(4) Maltase

उत्तर: (3)

176. Which organ produces insulin?

- (1) Liver
- (2) Pancreas
- (3) Kidney
- (4) Heart

उत्तर: (2)

177. Which cell carries oxygen?

- (1) WBC
- (2) RBC
- (3) Platelets
- (4) Neuron

उत्तर: (2)

178. Which disease affects lungs?

- (1) Diabetes
- (2) Tuberculosis
- (3) Cancer
- (4) Malaria

उत्तर: (2)

179. Which process makes food in plants?

- (1) Respiration
- (2) Photosynthesis
- (3) Digestion
- (4) Transpiration

उत्तर: (2)

180. Which organ filters blood?

- (1) Heart
- (2) Kidney
- (3) Lungs
- (4) Brain

उत्तर: (2)
