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B-SECTION - III

Science (CBZ)

ZOOLOGY

OSSTET-P-I/16

81. Read the statements and indicate the correct one :
- (i) Cerebellum is present on the posterior part of hind brain.
 - (ii) Cerebellum is the second largest part of the brain.
 - (iii) Cerebellum helps to maintain the equilibrium and balance of the body.
- (A) (i) and (iii) right but (ii) wrong (C)
- (B) (i) and (ii) right but (iii) wrong
- (C) (ii) and (iii) right but (i) wrong
- (D) (i), (ii) and (iii) all are right
82. Which hormone is produced in human females, if pregnancy has occurred ?
- (A) Estrogen (D)
- (B) Progesterone
- (C) Leuteinizing hormone
- (D) Chorionic gonadotropin
83. In which part of the sperm is actual genetic material present ?
- (A) Tail
- (B) Head (B)
- (C) Middle piece
- (D) Neck
84. The testes descend into scrotal sacs outside the abdomen because sperm formation requires :
- (A) High temperature
- (B) Low temperature (B)
- (C) More space
- (D) Less space
85. Which vitamin is necessary for formation of RBC ?
- (A) B₁₂
- (B) D (A)
- (C) B₆
- (D) A
86. Which chamber of heart is functionally most efficient ?
- (A) Left auricle
- (B) Left ventricle (B)
- (C) Right auricle
- (D) Right ventricle
87. The type of nephron which becomes functional during acute shortage of water is called :
- (A) Glomerular nephron
- (B) Macula densa (D)
- (C) Cortical nephron
- (D) Juxtamedullary nephron

88. Which hormone does increase the permeability of DCT to water ?
(A) TSH
(B) FSH
(C) Oxytocin
(D) ADH
89. Who did propose the scheme for five kingdom classification ?
(A) John Ray
(B) Whittaker
(C) Haeckel
(D) Mayr
90. In which type of cell is nuclear membrane absent ?
(A) Plant
(B) Human
(C) Prokaryotic
(D) Eukaryotic
91. Which is the longest phase of mitosis ?
(A) Metaphase
(B) Telophase
(C) Anaphase
(D) Prophase
92. Read the statements and indicate the correct one :
(i) Birds of female and male have ZW and ZZ sex chromosomes respectively.
(ii) The method of preparing linkage maps of a species is called chromosome mapping.
(iii) 10% crossover or recombination is 1 centimorgan (cM)
(A) (i) and (ii) right but (iii) wrong
(B) (i) and (iii) right but (ii) wrong
(C) (ii) and (iii) right but (i) wrong
(D) (i), (ii) and (iii) are all right
93. Which of the following was the cause of Bhopal gas tragedy ?
(A) Hydrogen cyanide
(B) Potassium cyanide
(C) Carbon monoxide
(D) Methyl isocyanate
94. Which enzyme does cause the curdling of milk in herbivorous mammals ?
(A) Maltase
(B) Renin
(C) Trypsin
(D) Lactase

95. At the end of glycolysis, each molecule of glucose produces how many molecules of pyruvate?
- (A) 2
(B) 4 (A)
(C) 36
(D) 38
96. The high energy compound which enters into mitochondria to start Krebs cycle is called :
- (A) Lactic acid
(B) Acetyl CoA (B)
(C) Fatty acid
(D) Amino acid
97. Who did proposed the 'Genic balance theory' of sex determination ?
- (A) Bridge (A)
(B) Johanssen
(C) Karl Correns
(D) Murray Barr
98. From which country was the phenomenon of industrial melanism first reported ?
- (A) United Kingdom
(B) USA (A)
(C) China
(D) India
99. Which type of example is Mule ?
- (A) Habitat isolation
(B) Mechanical isolation (C)
(C) Hybrid sterility
(D) Hybrid breakdown
100. What does cause increase in skin cancer and high mutation rate ?
- (A) Ozone layer depletion (A)
(B) Acid rain
(C) Photochemical smog
(D) Carbon dioxide pollution