

ZOOLOGY 2001

51. Sucking the young by both male and female parents is observed in
(1) Pangolin (2) Macropus (3) Loris (4) Ornithorhynchus
52. The reptilian character of prototherians is
(1) Diaphragm (2) T-shaped clavicle
(3) Seven cervical vertebrae (4) Only left aortic arch present
53. Endostyle is present in
(1) Ammocoetus larva (2) Axolotllarva
(3) Ascidian tadpole (4) Frog's tadpole
54. In rabbit success enteric us is secreted by
(1) Crypts of Lieberkuhn (2) Brunner glands
(3) Sub-maxillary glands (4) Islets of Langerhans .
55. The vitamin which regulates the absorption of calcium from intestine in rabbit is
(1) A (2) D (3) K (4) E
56. Spigelian lobe in rabbit is a lobe of the
(1) Pancreas (2) Kidney (3) Brain (4) Liver
57. The dentition in rabbit is heterodont and
(1) Polyphyodont (2) Diphyodont (3) Acrodont (4) Monophyodont
58. Hypo parathyroidism leads to
(1) Myxedema (2) Tachycardia (3) Tetany (4) Rheumatoid arthritis
59. The joint between atlas and odontoid process of axis in rabbit is
(1) Pivot (2) Ball and socket (3) Hinge (4) Arthroidal
60. Ions essential for muscle contraction
(1) Mg^{++} (2) Hg^{++} (3) Mn^{++} (4) Ca^{++}
61. Gestation period in human beings is
(1) 80 days (2) 180 days (3) 270 days (4) 380 days
62. When the blood group of a person is not known, which type of blood can be transfused to him in an emergency?
(1) A (2) B (3) O (4) AB
63. In an operon a repressor is produced by
(1) Structural gene (2) Regulator gene (3) Inducer (4) Nonsense codon
64. The F_1 test cross ratio is
(1) 1 : 1 (2) 3 : 1 (3) 2 : 1 (4) 1 : 3
65. Based on the experiments conducted by Bridges on *Drosophila*, the female sex of the *Drosophila* is determined by the genes located on which chromosome ?
(1) Autosomes (2) X and Y (3) Y (4) X
66. Darwin's theory of Natural Selection fails to explain
(1) Role of variations (2) Survival of the fittest
(3) Arrival of the fittest (4) Struggle for the existence
67. In poultry the disease Coryza is caused by
(1) Bacteria (2) Protozoan (3) Virus (4) Fungi
68. In poultry "broiler finish mash" is fed to the chicks between
(1) 1 to 6 weeks (2) 7 to 10 weeks (3) 10 to 15 weeks (4) 15 to 20 weeks
69. In birds the B-lymphocytes mature in
(1) Thyroid gland (2) Bone marrow (3) Preen gland (4) Bursa fabricii
70. An example for endogenous immune complex 1esponse

- (1) Hay fever (2) Erythroblastosis
 (3) Accute glomerular nephritis (4) Encephalitis
71. The ultimate unit in trinomial nomenclature is
 (1) Order (2) Sub-species (3) Species (4) Genus
72. "Red tide" on the surface of the sea is due to which protozoan?
 (1) Ceratium (2) Gonyaulax (3) Giqrdia (4) Arcella
73. Giant squid belongs to
 (1) Mammalia (2) Reptilia (3) Arthropoda (4) Mollusca
74. The annelidian character of Peripatus is
 (1) Lack of jointed legs (2) Legs with claws
 (3) Presence of tracheal tubes (4) Presence of tubular heart.
75. Spicules made of silica are found in
 (1) Leucosolenia (2) Sycon (3) Hyalonema (4) Grantia
76. Increase in capillary permeability is induced by
 (1) Heparin (2) Gastrin (3) Histamine (4) Fibrin
77. Which one of the following is an excitatory neurotransmitter ?
 (1) Acetylcholine (2) Dopamine (3) Glycine (4) Oxytocin
78. In which group of animals blastocoels is persistent as body cavity in adults?
 (1) Arthropods (2) Nemathelminthes (3) Molluscs (4) Annelids
79. The filaments in the cilia of protozoans are made up of a protein called
 (1) Actin (2) Myosin (3) Ossin (4) Tubulin
80. Metaboly is related to
 (1) Digestion (2) Reproduction (3) Movements (4) Excretion
81. Termites cannot digest cellulose of wood in the absence of
 (1) Tryconympha (2) Trychomonas (3) Mycobacterium (4) Pulvianus bird
82. The nature of the cyst wall of Euglena Is
 (1) Proteins (2) Silica (3) Calcium (4) Carbohydrate
83. The ovoviviparous parasite is
 (1) Ascaris (2) Plasmodium (3) Wuchereria (4) Taenia
84. Hymenolepis nana is commonly known as
 (1) Pork tapeworm (2) Dead man's finger
 (3) Dog tapeworm (4) Dwarf tapeworm of man
85. Loa loa causes the disease
 (1) Kala azar (2) Calabar (3) Delhi boils (4) Anaemia
86. The dorsal side of the skin of Pheretima is brown due to blood glands in
 (1) Porphyrin (2) Melanin (3) Heparin (4) Renin
87. The function of Pheretima is
 (1) Production of RBC (2) Production of phagocytes
 (3) Maintenance of blood volume (4) Maintenance of blood circulation
88. Spermatophores of Pheretima are formed .due to the secretions of
 (1) Seminal vesicles (2) Spermiducal funnels
 (3) Prostate glands (4) Spermathecae
89. The ova of Pheretima are released through a pore present on the
 (1) Ventral side of 14th segment (2) Dorsal side of 14th segment
 (3) Ventral side of 18th segme'nt (4) Dorsal side of 18th segment
90. External segmentation is absent in one of the following annelids

- (1) Polychaeta (2) Oligochaeta (3) Hirudinea (4) Archiannelida
91. Reduced, functionless mandibles are present in
 (1) Mosquito (2) Cockroach (3) Butterfly (4) Bedbug
92. Tripedal walking is exhibited by
 (1) Earthworm (2) Cockroach (3) Snail (4) Star fish
93. The number of moults that the caterpillar of *Bombix mori* undergoes
 (1) 2 (2) 4 (3) 6 . (4) 8
94. The chromosome complement of heparin honey bees developed parthenogenetically from unfertilized eggs is
 (1) Haploid (2) Diploid (3) Triploid (4) Polyploid
95. Coelome in Cockroach is
 (I) A spcious cavity (2) Absent (3) Enterocoelic (4) Restrictedto gonads
96. In the pond ecosystem, rooted plants occur in
 (1) Ionosphere (2) Stratosphere (3) Limnetic zone (4) Littoral zone
97. B-Lymphocytes are concerned with
 (1) Humoral immunity (2) Hormonal immunity
 (3) Production (4) Internal cleansing
98. Tandoba National Park is in
 (I) Andhra Pradesh (2) Maharashtra (3) Orissa (4) MadhyaPradesh
99. Circular double helical DNA molecule is a
 (1) Virus (2) Protozoan (3) Plasmid (4) Phasmid
100. Presence of notochord throughout the life and length of the body is a feature of
 (1) urochordates (2) Invertebrates (3) Vetebrates (4) Cephalochordates

ANSWERS

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|---------------|---------------|---------------|---------------|----------------|
| (51) 4 | (52) 2 | (53) 3 | (54) 1 | (55) 2 |
| (56) 4 | (57) 2 | (58) 3 | (59) 1 | (60) 4 |
| (61) 3 | (62) 3 | (63) 2 | (64) 1 | (65) 4 |
| (66) 3 | (67) 1 | (68) 2 | (69) 4 | (70) 3 |
| (71) 2 | (72) 2 | (73) 4 | (74) 1 | (75) 3 |
| (76) 3 | (77) 1 | (78) 2 | (79) 4 | (80) 3 |
| (81) 1 | (82) 4 | (83) 3 | (84) 4 | (85) 2 |
| (86) 1 | (87) 2 | (88) 3 | (89) 1 | (90) 4 |
| (91) 3 | (92),2 | (93) 2 | (94) 1 | (95) 4 |
| (96) 4 | (97) 1 | (98) 2 | (99) 3 | (100) 4 |