

Zoology 2000

51. The insect which spreads the yellow fever is :
(1) Aedes (2) Psonophora (3) Glassina (4) Phlebotomus
52. The palpiger of cockroach bear's:
(1) Labial palp (2) Submentum (3) Ligula (4) Labrum
53. The number of valves in the gut of cockroach is :
(1) 4 (2) 3 (3) 2 (4) 1
54. In cockroach the number of spiracles is :
(1) Eight pairs (2) Eight only (3) Ten pairs (4) Eighteen pairs
55. Which one of the following animals can be identified as chordate based on its larval features ?
(1) Asymmetron (2) Ascidia (3) Amblystoma (4) Amia
56. The fossil record of placoderms is found in this Era :
(1) Palaeozoic (2) Mesozoic (3) Coenozoic (4) Archaeozoic
57. The frog vertebra with centrum convex on its anterior surface is :
(1) Atlas (2) 9th (3) 8th (4) Typical
58. In frog astragulus is a part of :
(1) Wrist (2) Pectoral girdle (3) Ankle (4) Palvic girdle
59. The anterior choroid plexus forms the roof of :
(1) Diaocoel (2) 4th ventricle (3) Olfactory ventricle (4) Optocoel
60. Sodium tauroglycholate aids in
(1) Defaecation (2) Absorption (3) Emulsification (4) Assimilation
61. Epinephrine affects :
(1) Rate of heart beat (2) Regulation of minerals of body fluid
(3) Gastrointestinal coordination (4) metamorphosis
62. In frog innominate vein is formed by the union of the veins :
(1) Lingual and Mandibular (2) Subscapular and internal jugular
(3) Brachial and Musculocutaneous (4) External jugular and subclavian
63. The frog the sclerotic layer is formed from:
(1) Endoderm (2) Ectoderm (3) Mesoderm (4) Cutaneous layer
64. The extinct amphibian is
(1) Diplocaulus (2) Gagenophis (3) Nectrurus (4) Palacospondylus
65. The reptile which lacks penis belonging in
(1) Gymnopheana (2) Ophidia
(3) Crocodelea (4) Rhynchocephalia
66. The snake baring head and elongated hexagonal vertebrals is :
(1) Bungarus (2) Eryx (3) Naja (4) Echis
67. The cervical vertebrae in birds are :
(1) Heterocoelous (2) Procoelous (3) Amphicoelous (4) Acoelous
68. The number of occipital condyles in mammals is :
(1) 3 (2) 5 (3) 1 (4) 2
69. Gynacomastism is characteristic feature of :
(1) Oviparous mammals (2) Pouched mammals
(3) Oviparous reptiles (4) Viviparous snakes
70. The phagocytic granulocyte is :
(1) Neutrophil (2) Eosinophil (3) Monocyte (4) Basophil
71. The term Gristle is also, used for :

- (1) Bone (2) Blood (3) Nerve (4) Cartilage
72. The correct chronological sequence of Eras is :
 (1) Mesozoic → Coenozoic → Archaeozoic
 (2) Coenozoic → Proterozoic → Mesozoic
 (3) Palaeozoic → Mesozoic → Coenozoic
 (4) Palaeozoic → Archaeozoic → Coenozoic
73. The biogenetic law is based on
 (1) Genetic evidences (2) Fossil evidences
 (3) Biochemical evidences (4) Embryological evidences
74. The jinga prawn is
 (1) *Penaeus indicus* (2) *Metapenaeus affinis*
 (3) *Metapenaeus brevicornis* (4) *Palaemon styliferus*
75. If the red flowered F₁ hybrid from the cross of Red x White peas is crossed with recessive white flowered parent, the ratio in the offsprings is :
 (1) 2 : 4 (2) 1 : 1 (3) 3 : 1 (4) 1 : 2 : 1
76. The number of genotypes in Mendelian dihybrid cross is :
 (1) 3 (2) 16 (3) 12 (4) 9
77. The pH of an acid rain water is
 (1) 1.2 (2) 3.4 (3) 5 (4) 6
78. The pearl spot is
 (1) *Wallago* (2) *Pinclada* (3) *Etroplus* (4) *Rastrelliger*
79. The protein efficiency ratio is
 (1) The ratio of protein consumed to increase in body weight in cultivated young animals
 (2) The ratio of protein consumed to increase in body weight in adult and old animals
 (3) The ratio of protein to carbohydrate in feed
 (4) The ratio of protein to fat in feed
80. Which age group chicks are affected by Gumboro disease ?
 (1) 12 weeks (2) 3 weeks (3) 4-8 weeks (4) 10 weeks
81. Budding in protozoa is seen in :
 (1) Hydrozoa (2) Mastigophora (3) Sporozoa (4) Ciliata
82. The number of merozoites at the end of a erythrocytic cycle in *Plasmodium malariae* is :
 (1) 6 - 12 (2) 14 - 24 (3) 26 - 30 (4) 32 - 38
83. The description of amoeboid movement like spreading of a water drop on an uneven surface of a glass plate is
 (1) Contraction theory (2) Adhesion theory
 (3) Surface tension theory (4) Change of viscosity theory
84. The parasite of endothelial system of man is:
 (1) *Entamoeba* (2) *Schistosoma* (3) *Taenia* (4) *Leishmania*
85. In benign tertian fever, the erythrocytic schizogony begins with the ~mtryof :
 (1) Trophozoite (2) Sporozoite
 (3) Micro-metacryptomerozoite (4) Macro-metacryptomerozoite
86. The narrow middle part of the chromatophore in *Euglena* is :
 (1) Pyrenoid (2) Pyrenophore (3) Endosome (4) Paramylum.
87. An example of the group which is 'considered as blind ally in Animal kingdom is :
 (1) *Chalina* (2) *Chelone* (3) *Chamaeleon* (4) *Chiroptera*

88. The cnidoblasts used during looping movement in Hydra are :
 (1) Stenoteles (2) Volvents (3) Desmonemes (4) Atrichous isorhizas
89. An example of scyphozoa is
 (1) Jelly fish (2) Cuttle fish (3) Silver fish (4) Cat fish
90. An acoelomate with protandrous condition is :
 (1) Taenia (2) Schistosoma (3) Megascoclex (4) Ascaris
91. The total number of moults an Ascaris larva undergoes to become an adult is :
 (1) 2 (2) 3 (3) 4 (4) 5
92. A metazoan adult whose body is covered by cilia is :
 (1) Dugesia (2) Paramecium (3) Amphiblastula (4) Fasciola
93. An annelid in which internal fertilization occurs is :
 (1) Neanthes (2) Polygordius (3) Hirudinaria (4) Eunice
94. Spermatophores in earthworm are formed by the secretion of the glands:
 (1) Clitellar (2) Prostate (3) Conglobate. (4) Accesory
95. Which one of the following is a molluscan larva?
 (1) Lovens (2) Veliger (3) Parenchymula (4) Bipinnaria
96. The pentamerous symmetry is found in:
 (1) Sea mouse (2) Sea Urchin (3) Sea Pen (4) Sea horse
97. The earthworms, insects and snails are:
 (1) Deuterostomes (2) protostomes (3) Acoelomates (4) Pseudocoelomates
98. Identify a deuterostome
 (1) Leucosolenia (2) Dentalium (3) Dugesia (4) Ophiothrix
99. Biramous appendages are present in
 (1) Insecta (2) Crustacea (3) Cephalopoda (4) Onychophora
100. mandibles are absent in :
 (1) Periplaneta (2) Anopheles (3) Musca (4) Culex

ANSWERS

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