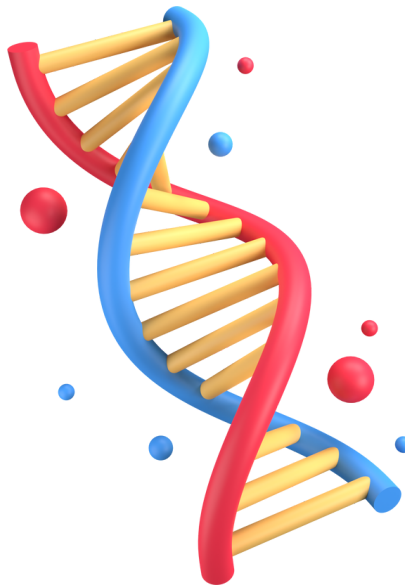


ZOOLOGY

ENTHUSIAST | LEADER | ACHIEVER



EXERCISE

Animal Kingdom

ENGLISH MEDIUM

EXERCISE-I (Conceptual Questions)

Build Up Your Understanding

NON-CHORDATES

1. In which of the following nuclear dimorphism is seen?

(1) *Entamoeba*
 (2) *Leishmania*
 (3) *Trypanosoma*
 (4) *Paramoecium*

AD0001

2. Slipper animalcule is -

(1) *Entamoeba*
 (2) *Paramoecium*
 (3) *Giardia*
 (4) *Euglena*

AD0002

3. Vaginitis or Leucorrhoe disease in female is caused by -

(1) *Trichomonas* (2) *Trichonympha*
 (3) *Trypanosoma* (4) *Giardia*

AD0003

4. Bath sponge is common name of -

(1) *Spongilla* (2) *Euspongia*
 (3) *Euplectella* (4) *Leucosolenia*

AD0007

5. Which one of the following is Coelenterate -

(1) Sea urchin (2) Sea cucumber
 (3) Sea fan (4) Sea horse

AD0009

6. Which animal do not possess larval stage in its life cycle?

(1) *Ascaris* (2) Frog
 (3) *Taenia* (4) *Pheretima*

AD0010

7. Which of the following is an Annelid?

(1) sea horse (2) sea mouse
 (3) sea hare (4) sea pen

AD0011

8. *Taenia solium* has -

(1) Mouth and anus both
 (2) Only mouth present but no anus
 (3) Only anus present but no mouth
 (4) Complete digestive tract is absent

AD0012

9. Which of the following characteristic is shared by all arthropods?

(1) Complete metamorphosis
 (2) Wings
 (3) Jointed appendages
 (4) Tracheal system

AD0013

10. Members of phylum Arthropoda lack one of the following feature :-

(1) External skeleton made of chitin
 (2) Compound eyes
 (3) Excretion by malpighian tubules
 (4) Usually a close type of blood vascular system

AD0014

11. Cockroach, house fly and mosquitoes are insect because they have :-

(1) Chitinous exoskeleton and body divided into head and cephalothorax
 (2) Six legs, compound eyes and body divided into head, thorax and abdomen
 (3) Segmented body with jointed feet and chitinous exoskeleton
 (4) Three pairs of legs, one pair of antennae and flame cells

AD0015

12. Which of the following animal is considered as "Living fossil"?
 (1) *Limulus*
 (2) Spider
 (3) *Eupagurus*
 (4) Scorpion
AD0016
13. Select the economically important insect :-
 (1) *Locusta* (2) *Culex*
 (3) *Aedes* (4) *Apis*
AD0017
14. Which animal has visceral hump ?
 (1) *Culex* (2) *Apis*
 (3) *Nereis* (4) *Pila*
AD0018
15. Which mollusca is called tusk shell?
 (1) *Neopilina* (2) *Pila*
 (3) *Dentalium* (4) *Doris*
AD0019
16. Secretion of shell in molluscs take place by:-
 (1) Foot (2) Ink gland
 (3) Radula (4) Mantle
AD0020
17. Which of the following characteristic is not of phylum mollusca?
 (1) Soft body covered usually by a shell
 (2) Segmented body
 (3) Triploblastic
 (4) Presence of coelom
AD0021
18. The most characteristic feature of molluscs is the presence of :-
 (1) Hard - body (2) Shell
 (3) Mantle (4) Foot
AD0022
19. Open type of blood vascular system and presence of haemocyanin pigment are the characters of :-
 (1) Mollusca (2) Annelida
 (3) Echinodermata (4) Hemichordata
AD0023
20. Member of Echinodermata has a specific system, which is not found in other phylum, it is :-
 (1) Canal system
 (2) Water vascular system
 (3) Respiratory system
 (4) Jointed appendages
AD0024
21. Segmentation of body is not represented in:-
 (1) Cray - fish (2) *Sepia*
 (3) Grass hopper (4) Silver fish
AD0025
22. Aristotle lantern is found in :-
 (1) Sea - urchin (2) *Sepia*
 (3) Star fish (4) *Obelia*
AD0026
23. Which of the following is not related with Echinodermata ?
 (1) Madreporite (2) Parapodia
 (3) Marine habitat (4) Autotomy
AD0027
24. Locomotory organs of echinoderms are :-
 (1) Tube feet (2) Setae
 (3) Parapodia (4) Pseudopodia
AD0028
25. Absence of excretory organs, great power of regeneration and exclusively marine animals belongs to the phylum :-
 (1) Mollusca (2) Arthropoda
 (3) Echinodermata (4) Annelida
AD0029

26. Stomochord (Buccal diverticulum) is present in:-
 (1) *Amphioxus* (2) *Herdmania*
 (3) *Balanoglossus* (4) *Asterias*
AD0030
27. Which of the following character does not belong to Arthropoda?
 (1) Closed circulatory system
 (2) Movable jaws
 (3) Segmented body
 (4) Jointed legs
AD0031
28. Chiton is included in phylum
 (1) Annelida
 (2) Arthropoda
 (3) Mollusca
 (4) Echinodermata
AD0032
29. Coxal glands are the excretory organ of :-
 (1) Cray fish (2) Devil fish
 (3) Jelly - fish (4) Scorpion
AD0033
30. Most of the adult insects have six legs and:-
 (1) Two antennae and four wings
 (2) Four antennae and four wings
 (3) Two antennae and two or four wings
 (4) Four wings and four eyes
AD0034
31. The first flying animals on earth were :-
 (1) Insects (2) Birds
 (3) Reptiles (4) Mammals
AD0035
32. Chemoreceptor in *Pila* is ?
 (1) Ctenidium (2) Radula
 (3) Osphradium (4) Statocyst
AD0036
33. Given below are four matchings of an animal and its kind of respiratory organ :
 A. Silver fish – Trachea
 B. Scorpion – Book lung
 C. Sea squirt – Pharyngeal gills
 D. Dolphin – Skin
 The correct matchings are :-
 (1) A and D (2) A, B and C
 (3) B and D (4) C and D
AD0038
34. In contrast to Annelids the Platyhelminths show –
 (1) Absence of body cavity
 (2) Presence of pseudocoel
 (3) Radial symmetry
 (4) Bilateral symmetry
AD0039
35. Which one of the following is not correctly matched?
 (1) *Culex* – Filariasis
 (2) *Aedes* – Yellow fever
 (3) *Anopheles* – Leishmaniasis
 (4) *Glossina* – Sleeping sickness
AD0040
36. The canal system is characteristic feature of-
 (1) Sponges
 (2) Helminthes
 (3) Echinoderms
 (4) Coelenterates
AD0041
37. Contractile vacuole of *Amoeba* is analogous to :-
 (1) Typhlosole of earthworm
 (2) Sweat gland of human
 (3) Uriniferous tubules of frog and man
 (4) Gastrovascular cavity of *Hydra*
AD0042

- 38.** Which of the following is pseudoceolomate?
 (1) *Hydra* (2) *Periplaneta*
 (3) *Ascaris* (4) *Pheretima*
AD0043
- 39.** Which of the following group is Duterostome?
 (1) Annelida, Arthropoda, Mollusca
 (2) Echinodermata, Hemichordata, Chordata
 (3) Annelida, Mollusca, Chordata
 (4) Arthropoda, Mollusca, Echinodermata
AD0044
- 40.** *Sycon* belongs to a group of animals, which are best described as :-
 (1) Unicellular or acellular
 (2) Multicellular without any tissue organization
 (3) Multicellular with a gastrovascular system
 (4) Multicellular having tissue organization, but no body cavity
AD0046
- 41.** Which one of the following phyla is correctly matched with its general characteristics ?
 (1) Porifera - Cellular level of organisation and external fertilisation
 (2) Coelenterata - Diploblastic and mostly Asymmetric
 (3) Aschelminthes - Pseudocoelomates and dioecious
 (4) Hemichordata - Coelomates and closed circulatory system
AD0047
- 42.** Which one is monogenetic parasite ?
 (1) *Trypanosoma*
 (2) *Plasmodium*
 (3) *Entamoeba*
 (4) Liver fluke
AD0048
- 43.** Which one of the following is a matching pair of a body feature and the animal possessing it?
 (1) Canal system - *Asterias*
 (2) Metagenesis - *Obelia*
 (3) Dorsal nerve cord - *Pheretima*
 (4) Muscular pharynx - *Taenia*
AD0049
- 44.** One of the following animals is not hermaphrodite-
 (1) Earthworm (2) Leech
 (3) *Taenia* (4) *Ascaris*
AD0050
- 45.** In Annelids formation of larva is usually absent but when present the larva is called:
 (1) Tadpole (2) Planula
 (3) Trochophore (4) Ephyra
AD0051
- 46.** Excretion in most Annelids take place by -
 (1) Kidneys (2) Flame cells
 (3) Nephridia (4) Ciliated funnel
AD0052
- 47.** True coelom appeared first during the course of evolution in :-
 (1) Echinodermata (2) Annelida
 (3) Chordata (4) Protozoa
AD0054
- 48.** Rhabditiform larva occurs in :
 (1) *Neries* (2) *Ascaris*
 (3) *Taenia* (4) *Fasciola*
AD0055
- 49.** Sea-anemone belongs to phylum -
 (1) Protozoa (2) Porifera
 (3) Coelenterata (4) Echinodermata
AD0056
- 50.** Syncytial epidermis is associated with :
 (1) *Hydra* (2) Star fish
 (3) Earthworm (4) *Ascaris*
AD0057

51. Cephalopod with closed circulatory system is :-

(1) *Pila* (2) *Chiton*
(3) *Unio* (4) *Octopus*

AD0059

52. A sponge harmful to oyster industry is

(1) *Spongilla*
(2) *Euspongia*
(3) *Hyalonema*
(4) *Cliona*

AD0060

53. Haemoglobin is dissolved in blood plasma of

(1) Frog
(2) Rabbit
(3) Cockroach
(4) Earthworm

AD0061

54. Skeleton is made up of.....in porifera.

(1) Spicules
(2) Spongin
(3) Both 1 and 2
(4) Chitin

AD0296

55. Find the odd

(1) Sea fan (2) sea horse
(3) sea cucumber (4) sea lily

AD0297

56. Which animal has only cylindrical form?

(1) *Physalia*
(2) *Admsia*
(3) *Hydra*
(4) (2) and (3)

AD0298

57. Which animal is umbrella-shaped and free swimming?

(1) *Aurelia* (2) Jelly-fish
(3) *Hydra* (4) (1) and (2)

AD0299

58. Corals have a skeleton composed of.....

(1) CaCO_3 (2) CaPO_4
(3) CaCl_2 (4) CaSiO_2

AD0300

59. Identify the animal shown in diagram



(1) Tape worm (2) *Pleurobrachia*
(3) *Neris* (4) *Octopus*

AD0301

CHORDATES

60. The distinguishing feature of all chordates is :-

(1) A ventrally placed nerve cord
(2) A water vascular system
(3) A chitinous exoskeleton
(4) An elastic rod (Notochord)

AD0062

61. Chordates possess :-

(1) Dorsal nerve cord placed below gut
(2) Single hollow nerve cord placed dorsal to gut
(3) Double ventral nerve cord
(4) Single, solid and ventral nerve cord

AD0063

62. In vertebrates the notochord :-

(1) Persists throughout the life
(2) Is partially replaced by vertebral column
(3) Is completely replaced by vertebral column
(4) Is partially or fully replaced by vertebral column

AD0064

63. Which one is the distinguishing feature of all vertebrates?

(1) An internal bony or cartilaginous skeleton
(2) A hairy body covering
(3) Presence of mammary glands
(4) Open type of circulatory system

AD0065

64. The three living Lung fishes namely *Protopterus*, *Lepidosiren* and *Neoceratodus* are respectively distributed in which countries of the world :-
 (1) Africa, South America and Australia
 (2) Africa, Australia and Japan
 (3) India, Africa and South America
 (4) South America, England & Africa
AD0066
65. Which fish is known as living fossil?
 (1) *Chimaera* (2) *Latimaria*
 (3) *Pristis* (4) *Harpodon*
AD0067
66. Which of the following fins are paired in fishes?
 (1) Dorsal fin (2) Anal fin
 (3) Pelvic fin (4) Ventral fin
AD0068
67. Fish change its direction suddenly by :-
 (1) Pectoral fin (2) Pelvic fin
 (3) Caudal fin (4) All the above
AD0069
68. Which one of the following amphibia is common toad?
 (1) *Ichthyophis* (2) *Bufo*
 (3) Frog (4) *Salamandra*
AD0070
69. If an "Axolotl larva" is placed in water containing sufficient Iodine then :-
 (1) Larva will die soon
 (2) Its skin pigmentation will change
 (3) It will start metamorphosis
 (4) It remains as usual without any change
AD0071
70. Which is a balancing organ of fish?
 (1) Ampulla of Lorenzini
 (2) Utriculus
 (3) Air bladder
 (4) Internal ear
AD0072
71. Which of the following group of animals have a constant body temperature ?
 (1) Reptiles, aves & mammalia
 (2) Aves & cyclostomata
 (3) Pisces & amphibia
 (4) Aves & mammalia
AD0073
72. Kidney in amphibians is :-
 (1) Pronephric
 (2) Mesonephric
 (3) Archaeonephric
 (4) Metanephric
AD0074
73. Teeth in Amphibia are :-
 (1) Homodont, Pleurodont & diphyodont
 (2) Thecodont, heterodont & diphyodont
 (3) Homodont, pleurodont & polyphyodont
 (4) Homodont, thecodont & polyphyodont
AD0075
74. Which group of phylum chordata has paired fins?
 (1) Pisces (2) Reptilia
 (3) Aves (4) Mammalia
AD0076
75. The embryo is surrounded with amnion in:-
 (1) Toad (2) Snake
 (3) fish (4) Cockroach
AD0077
76. Which is poikilothermic animal?
 (1) Tortoise (2) Pigeon
 (3) Penguin (4) Whale
AD0078
77. Which of the following is not the feature of snakes ?
 (1) Eggs (2) Limbs
 (3) Scales (4) Kidney
AD0079

- 78.** Which of the following groups includes Endothermic animals (Homothermal) :-
 (1) Crocodile, alligator, turtle
 (2) Whale, pigeon, bat
 (3) Sea-horse, dog fish, cat fish
 (4) Toad, frog, salamander
AD0080
- 79.** Which bird had teeth in its beak?
 (1) Kiwi (2) Ostrich
 (3) Dodo (4) Archaeopteryx
AD0081
- 80.** Number of cranial nerves in a crocodile is:-
 (1) 8-pairs (2) 10-pairs
 (3) 12-pairs (4) 14-pairs
AD0082
- 81.** Mostly birds are:-
 (1) Uricotelic and oviparous
 (2) Uricotelic and viviparous
 (3) Ammonotelic and oviparous
 (4) Uricotelic and ovoviviparous
AD0083
- 82.** The primitive characters of Duck billed platypus suggest that it:-
 (1) Is a degenerated mammals
 (2) Shows the stage between aves and mammals
 (3) Shows the stage between reptiles and birds
 (4) Shows the stage between reptiles and mammals
AD0084
- 83.** Find out correct statement:-
 (1) All birds can fly
 (2) All snakes are poisonous
 (3) All amphibians lay eggs in water
 (4) All mammals are viviparous
AD0085
- 84.** Oviparous animal is :-
 (1) *Scoliodon* (2) Viper
 (3) Scorpion (4) Cobra
AD0086
- 85.** Characteristic of *Corvus* is:-
 (1) Unisexual and sexual dimorphism absent
 (2) Bisexual and sexual dimorphism absent
 (3) Unisexual and sexual dimorphism present
 (4) Bisexual and sexual dimorphism present
AD0087
- 86.** Which of the following is a "Lizard- bird"?
 (1) *Archaeopteryx*
 (2) *Struthio*
 (3) *Aptenodytes*
 (4) *Humming bird*
AD0088
- 87.** Uropygial or preen glands occur in:-
 (1) Reptiles
 (2) Birds
 (3) Amphibians
 (4) Mammals
AD0089
- 88.** The flight less birds *Rhea*, Kiwi & Emu respectively belong to which countries:-
 (1) South America, Newzealand & Australia
 (2) Africa, Australia & Newzealand
 (3) North America , Japan & Africa
 (4) Australia, S. Africa & Japan
AD0090
- 89.** Which is not found in birds?
 (1) Pectoral girdle
 (2) Pelvic girdle
 (3) Hind limbs
 (4) Fore limbs
AD0091

90. The character found only in birds is:-

- (1) Toothless beak
- (2) Bipedal locomotion
- (3) Wings
- (4) Feathers

AD0092

91. Which of the following characters is not related to Aves?

- (1) Homiothermy and presence of oil glands in skin
- (2) Female genital organs of both sides functional
- (3) Female genital organs of one sides functional
- (4) Exoskeleton of feathers

AD0093

92. Birds which is capable of flying backward:-

- (1) Crane
- (2) Penguin
- (3) Humming bird
- (4) Albatross

AD0094

93. Muscular diaphragm is found in?

- (1) Amphibian
- (2) Mammal
- (3) Reptilian
- (4) Fish

AD0296

94. Whales are included in the same taxonomic class as:-

- (1) Sharks
- (2) Crocodile
- (3) Sea horse
- (4) Gorilla

AD0096

95. Which of the following group of vertebrates have dicondylic skull:-

- (1) Amphibia & mammals
- (2) Reptilia & Aves
- (3) Aves & mammals
- (4) Reptilia & mammals

AD0097

96. Hair are not found in adult whale, its body temperature is regulated by:-

- (1) Sweat glands
- (2) Blubber
- (3) Blood circulation
- (4) Water

AD0098

97. Two chambered heart is the feature of :-

- (1) Mammals
- (2) Aves
- (3) Amphibia
- (4) Pisces

AD0099

98. Which of the following animals have character of both reptiles and mammals?

- (1) Monotremes
- (2) Marsupials
- (3) *Macropus*
- (4) *Canis*

AD0100

99. An egg laying mammal is -

- (1) Kangaroo
- (2) Platypus
- (3) Koala
- (4) Whale

AD0101

100. Presence of gills in the tadpole of frog indicates that :-

- (1) Fishes evolved from frog like ancestors
- (2) Frogs will have gills in future
- (3) Frogs evolved from gilled ancestors
- (4) Fishes were amphibious in the past

AD0102

101. Hollow air filled bones (pneumatic bones) occur in :-

- (1) Mammals
- (2) Reptiles
- (3) Urodela
- (4) Aves

AD0103

- 102.** Which of the following character is not found in all the chordates?
 (1) Diaphragm
 (2) Coelom
 (3) Pharyngeal gill clefts
 (4) Dorsal nerve cord
AD0104
- 103.** In which of the following animal post anal tail is found
 (1) Earthworm
 (2) Lower invertebrate
 (3) Scorpion
 (4) Snake
AD0105
- 104.** In which of the following notochord is present in embryonic stage :-
 (1) All chordates
 (2) Some chordates
 (3) Vertebrates
 (4) Non chordates
AD0106
- 105.** Axolotal larva is the name of larva of
 (1) *Amphioxus* (2) Silkworm
 (3) *Salamandra* (4) Round worm
AD0107
- 106.** The early stage human embryo distinctly possesses :-
 (1) Gills
 (2) Gill slits
 (3) External ear (pinna)
 (4) Eye brows
AD0108
- 107.** Most favourable land adaptation in reptiles is -
 (1) Lungs
 (2) Scales
 (3) Moist skin
 (4) Pentadactylous limbs
AD0109
- 108.** Retention of larval characters even after sexual maturity is called -
 (1) Parthenogenesis
 (2) Ontogenesis
 (3) Phyllogenesis
 (4) Neoteny
AD0110
- 109.** *Ichthyophis* belongs to -
 (1) Amphibia (2) Mollusca
 (3) Annelida (4) Reptilia
AD0111
- 110.** Larva of *Balanoglossus* is -
 (1) Muller's larva
 (2) Tadpole
 (3) Tornaria
 (4) Bipinnaria larva
AD0112
- 111.** In fishes the kidney is -
 (1) Pronephric
 (2) Metanephric
 (3) Mesonephric
 (4) Nephridial
AD0113
- 112.** Air sacs connected to lungs supplement respiration in:
 (1) Lung fishes (2) Birds
 (3) Reptilia (4) Mammals
AD0297
- 113.** Which of the following reptile is non-poisonous ?
 (1) Cobra (2) Krait
 (3) Viper (4) Python
AD0115
- 114.** Tailed amphibian is :-
 (1) *Ichthyophis* (2) Frog
 (3) *Salamandra* (4) Toad
AD0116

115. Amniota, Monocondylar, Poikilothermal animals are:-

- (1) Birds (2) Amphibia
(3) Reptiles (4) Fish

AD0117

116. Which one of the following is a true fish ?

- (1) Cray fish (2) Jelly fish
(3) Silver fish (4) Cat fish

AD0118

117. Corpus callosum is found in the brain of -

- (1) Elephant (2) Pigeon
(3) Crocodile (4) Frog

AD0119

118. One of the following is a very unique feature of the mammalian body -

- (1) Presence of muscular diaphragm
(2) Four chambered heart
(3) Rib cage
(4) Homeothermy

AD0120

119. Which is the smallest taxonomic group having cranium, vertebral column, ventral heart, pulmonary respiration and two pairs of legs ?

- (1) Chordata (2) Gnathostomata
(3) Vertebrata (4) Tetrapoda

AD0121

120. Which of the following are Anamniotes?

- (1) Chondrichthyes, Osteichthyes, Amphibia
(2) Reptilia, Aves, Amphibia
(3) Amphibia, Aves, Mammals
(4) Reptilia, Mammals, Aves

AD0122

121. Which is not aerial adaptation of Birds?

- (1) Single ovary
(2) Pneumatic bone
(3) Gizzard
(4) Keeled sternum

AD0123

122. Which of the following has no teeth in its mouth?

- (1) Tortoise (2) Crocodile
(3) *Hemidactylus* (4) *Draco*

AD0124

123. Feathers of birds are modified:-

- (1) Epidermal scales
(2) Bony scales
(3) Plates
(4) Scutes

AD0125

124. Identify the animal



- (1) Ascidia (2) Salpa
(3) Amphioxus (4) Doliolum

AD0284

125. Notochord is present only in larval tail of :-

- (1) Urochordata
(2) Cephalochordata
(3) Vertebrata
(4) Protochordates

AD0285

126. Vertebrates have ventral muscular heart with _____ chambers.

- (1) 2 (2) 3
(3) 4 (4) all above

AD0286

127. Larve of.....after metamorphosis return to the ocean.

- (1) Scoliodon (2) Shark
(3) Lamprey (4) Flying fish

AD0287

128. Air bladder is absent in _____

- (1) Dog fish (2) Catla
(3) Rohu (4) Flying fish

AD0288

129. Sea horse is _____

- (1) a bird
(2) a mammal
(3) an amphibian
(4) a fish

AD0289

130. Choose the correct combination of the given option?

- (1) *Calotes* - garden lizard
- (2) *Chameleon* - krait
- (3) *Naja* - viper
- (4) *Crocodilus* - tortoise

AD0290

131. Which one of the following mammalia live in water?

- (1) Bat
- (2) Platypus
- (3) *Macropus*
- (4) Blue whale

AD0291

EXERCISE-I (Conceptual Questions)

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	4	2	1	2	3	4	2	4	3	4	2	1	4	4	3
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	4	2	3	1	2	2	1	2	1	3	3	1	3	4	3
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	1	3	2	1	3	1	3	3	2	2	3	3	2	4	3
Que.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	3	2	2	3	4	4	4	4	3	2	4	4	1	2	4
Que.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Ans.	2	4	1	1	2	3	3	2	3	4	4	2	3	1	2
Que.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Ans.	1	2	2	4	3	1	4	3	4	3	1	2	1	4	4
Que.	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
Ans.	2	3	2	4	1	2	4	1	2	3	4	1	4	1	3
Que.	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Ans.	2	1	4	1	3	3	2	4	3	3	4	1	1	4	1
Que.	121	122	123	124	125	126	127	128	129	130	131				
Ans.	3	1	1	1	1	4	3	1	4	1	4				

EXERCISE-II (Previous Year Questions)

AIPMT/NEET

AIPMT 2006

1. What is common about *Trypanosoma*, *Noctiluca*, *Monocystis* and *Giardia* ?
 (1) These are all parasites
 (2) These are all unicellular protists
 (3) They have flagella
 (4) They produce spores

AD0126

2. Which one of the following is a matching set of a phylum and its three examples ?
 (1) Porifera : *Spongilla*, *Euplectella*, *Pennatula*
 (2) Cnidaria : *Bonellia*, *Physalia*, *Aurelia*
 (3) Platyhelminthes : *Planaria*, *Schistosoma*, *Enterobius*
 (4) Mollusca : *Loligo*, *Teredo*, *Octopus*

AD0127

3. Metameric segmentation is the characteristic of
 (1) Mollusca and Chordata
 (2) Platyhelminthes and Arthropoda
 (3) Echinodermata and Annelida
 (4) Annelida and Arthropoda

AD0128

4. Two common characters found in Centipede, Cockroach and Crab are -
 (1) Book lungs and antennae
 (2) Compound eyes and anal cerci
 (3) Jointed legs and chitinous exoskeleton
 (4) Green gland and tracheae

AD0129

5. Biradial symmetry and lack of cnidoblasts are the characteristic of -
 (1) *Hydra* and *Starfish*
 (2) *Starfish* and *Sea Anemone*
 (3) *Ctenoplane* and *Beroe*
 (4) *Aurelia* and *Paramoecium*

AD0130

6. Which one of the following has an open circulatory system ?

- (A) *Octopus* (B) *Pheretima*
 (C) *Periplaneta* (D) *Hirudinaria*
 (1) A & B (2) B & C
 (3) C & D (4) A & D

AD0131

7. In which one of the following sets of animals all the four give birth to young ones ?

- (1) Kangaroo, Hedgehog, Dolphin, Loris
 (2) Lion, Bat, Whale, Ostrich
 (3) Platypus, Penguin, Bat, *Hippopotamus*
 (4) Shrew, Bat, Cat, Kiwi

AD0132

AIPMT 2007

8. Which one of the following is a matching pair of a body feature and the animal possessing it ?

- (1) Ventral heart – Scorpion
 (2) Post-anal tail – Octopus
 (3) Ventral central nervous system – Leech
 (4) Pharyngeal gill slits absent in embryo – *Chamaeleon*

AD0133

9. What is true about *Nereis*, Scorpion, Cockroach and Silver fish ?

- (1) They all belong to the same phylum
 (2) They all have paired jointed appendages
 (3) They all possess dorsal heart
 (4) None of them is aquatic

AD0134

10. Which one of the following pairs is mismatched?

- (1) *Bombyx mori* – Silk
 (2) *Pila globosa* – Pearl
 (3) *Apis indica* – Honey
 (4) *Kenia lacca* – Lac

AD0135

11. Which of the following pairs are correctly matched ?

Animals	Morphological features
(A) Crocodile	4-chambered heart
(B) Sea Urchin	Parapodia
(C) <i>Obelia</i>	Metagenesis
(D) Lemur	Thecodont
(1) Only A and B	(2) A, C and D
(3) B, C and D	(4) Only A and D

AD0136

12. What is common between parrot, platypus and kangaroo ?

- (1) Ovoparity
- (2) Homoiothermy
- (3) Toothless jaws
- (4) Functional post-anal tail

AD0137

AIPMT 2008

13. Which one of the following is not a characteristic of phylum Annelida?

- (1) Closed circulatory system
- (2) Segmentation
- (3) Pseudocoelom
- (4) Ventral nerve cord

AD0138

14. Which one of the following phyla is correctly matched with its two general characteristics ?

- (1) Arthropoda : Body divided into head, thorax and abdomen and respiration by tracheae
- (2) Chordata : Notochord at some stage and separate anal and urinary openings to the outside
- (3) Echinodermata : Pentamerous radial symmetry and mostly internal fertilization
- (4) Mollusca : Normally oviparous and development through a trochophore or veliger larva

AD0139

15. *Ascaris* is characterized by :

- (1) absence of true coelom but presence of metamerism
- (2) presence of neither true coelom nor metamerism
- (3) presence of true coelom but absence of metamerism
- (4) presence of true coelom and metamerism

AD0140

16. Which one of the following groups of the three animals each is correctly matched with their one characteristic morphological feature?

Animals	Morphological feature
(1) Liver fluke, Sea anemone, Sea cucumber	- Bilateral symmetry
(2) Centipede, Prawn, Sea urchin	- Joined appendages
(3) Scorpion, Spider, Cockroach	- Ventral solid central nervous system
(4) Cockroach, Locust, <i>Taenia</i>	- Metameric segmentation

AD0141

AIPMT 2009

17. Which one of the following groups of animals is bilaterally symmetrical and triploblastic?

- (1) Sponges
- (2) Coelenterates (Cnidarians)
- (3) Aschelminthes (round worms)
- (4) Ctenophores

AD0142

18. *Peripatus* is a connecting link between :-

- (1) Coelenterata and Porifera
- (2) Ctenophora and Platyhelminthis
- (3) Mollusca and Echinodermata
- (4) Annelida and Arthropoda

AD0143

19. Which one of the following pairs of animals are 'jawless fishes' ?

- (1) Guppies and hag fishes
- (2) Lampreys and eels
- (3) Mackerals and Rohu
- (4) Lampreys and hag fishes

AD0144

AIPMT (Pre.) 2010

20. One example of animals having a single opening to the outside that serves both as mouth as well as anus is :-

- (1) *Fasciola* (2) *Octopus*
- (3) *Asterias* (4) *Herdmania*

AD0145

21. Which one of the following statement about all the four of *Spongilla*, Leech, Dolphin and Penguin is correct ?

- (1) All are bilaterally symmetrical
- (2) Penguin is homoiothermic while the remaining three are poikilothermic
- (3) Leech is a fresh water form while all others are marine
- (4) *Spongilla* has special collared cells called choanocytes, not found in the remaining three.

AD0146

22. Which one of the following animals are triploblastic?

- (1) Corals (2) Flat worms
- (3) Sponges (4) Ctenophores

AD0147

23. Which one of the following statement about certain given animals is correct ?

- (1) Flat worms (Platyhelminthes) are coelomates
- (2) Round worms (Aschelminthes) are pseudocoelomates
- (3) Molluscs are acoelomates
- (4) Insects are pseudocoelomates

AD0148

AIPMT (Mains) 2010

24. Crocodile and Penguin are similar to Whale and Dogfish in which one of the following features ?

- (1) Lay eggs and guard them till they hatch
- (2) Possess bony skeleton
- (3) Have gill slits at some stage
- (4) Possess a solid single stranded central nervous system

AD0149

AIPMT (Pre.) 2011

25. Which one of the following groups of animals is correctly matched with its one characteristic feature without even a single exception ?

- (1) Reptilia : possess 3-chambered heart with one incompletely divided ventricle
- (2) Chordata : possess a mouth provided with an upper and a lower jaw
- (3) Chondrichthyes : possess cartilaginous endoskeleton
- (4) Mammalia : give birth to young ones

AD0150

26. Which one of the following animals is correctly matched with its particular named taxonomic category ?

- (1) Tiger – *tigris*, the species
- (2) Cuttlefish – Mollusca, a class
- (3) Humans – Primata, the family
- (4) Housefly – *Musca*, an order

AD0151

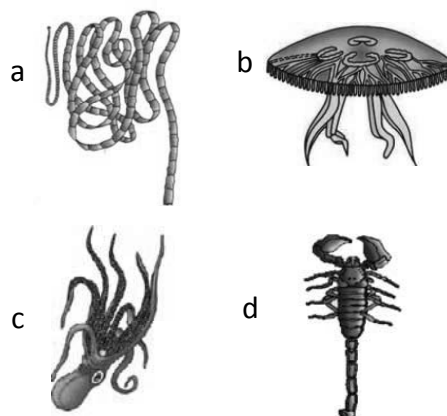
27. In which one of the following the genus name, its two character and its class/phylum are correctly matched?

Genus name	Two characters	Class/Phylum
(1) <i>Ascaris</i>	(a) Body segmented (b) Males and females distinct	Annelida
(2) <i>Salamendra</i>	(a) A tympanum represents ear (b) Fertilization is external	Amphibia
(3) <i>Pteropus</i>	(a) Skin prossesses hair (b) Oviparous	Mammalia
(4) <i>Aurelia</i>	(a) Cnidoblasts (b) Organ level of organization	Coelenterata

AD0152

AIPMT (Mains) 2011

28. The figure shows four animals (a), (b), (c) and (d). Select the correct answer with respect to a common characteristics of two of these animals.



- (1) (c) and (d) have a true coelom
- (2) (a) and (d) respire mainly through body wall
- (3) (b) and (c) show radial symmetry
- (4) (a) and (b) have cnidoblasts for self defence.

AD0153

AIPMT (Pre.) 2012

29. In which one of the following, the genus name, its two characters and its phylum are **not correctly** matched, whereas the remaining three are correct ?

	Genus name	Two characters	Phylum
(1)	<i>Sycon</i>	(a) Pore bearing (b) Canal system	Porifera
(2)	<i>Periplaneta</i>	(a) Jointed appendages (b) Chitinous exoskeleton	Arthropoda
(3)	<i>Pila</i>	(a) Body segmented (b) Mouth with Radula	Mollusca
(4)	<i>Asterias</i>	(a) Spiny skinned (b) Water vascular system	Echino-dermata

AD0154

AIPMT (Mains) 2012

30. Which one of the following organisms is scientifically correctly named, correctly printed according to the International Rules of Nomenclature and correctly described?
- (1) *Felis tigris* - The Indian tiger, well protected in Gir forests.
- (2) *E.coli* - Full name *Entamoeba coli*, a commonly occurring bacterium in human intestine.
- (3) *Musca domestica* - The common house lizard, a reptile.
- (4) *Plasmodium falciparum* - A protozoan pathogen causing the most serious type of malaria.

AD0155

31. Which one of the following categories of animals, is correctly described with no single exception in it?
- (1) All sponges are marine and have collared cells
- (2) All mammals are viviparous and possess diaphragm for breathing
- (3) All reptiles possess scales, have a three chambered heart and are cold blooded (poikilothermal)
- (4) All bony fishes have four pairs of gills and an operculum on each side

AD0156

32. Which one of the following pairs of animals are similar to each other pertaining to the feature stated against them?
- (1) *Ascaris* and *Ancylostoma* - Metameric segmentation
- (2) Sea horse and Flying fish - Cold blooded (poikilothermal)
- (3) *Pteropus* and *Ornithorhynchus* - Viviparity
- (4) Garden lizard and Crocodile - Three chambered heart

AD0157

NEET-UG 2013

33. One of the representatives of Phylum Arthropoda is :

- (1) flying fish
- (2) cuttle fish
- (3) silver fish
- (4) puffer fish

AD0160

34. Which group of animals belong to the same phylum?

- (1) Sponge, Sea anemone, Starfish
- (2) Malarial parasite, *Amoeba*, Mosquito
- (3) Earthworm, Pinworm, Tapeworm
- (4) Prawn, Scorpion, *Locusta*

AD0161

35. Infection of *Ascaris* usually occurs by :

- (1) mosquito bite
- (2) drinking water containing eggs of *Ascaris*
- (3) eating imperfectly cooked pork.
- (4) Tse-tse fly

AD0162

36. Which of the following are correctly matched with respect to their taxonomic classification ?

- (1) Spiny anteater, sea urchin, sea cucumber – Echinodermata
- (2) Flying fish, cuttlefish, silverfish – Pisces
- (3) Centipede, millipede, spider, scorpion – Insecta
- (4) House fly, butterfly, tsetsefly, silverfish – Insecta

AD0163

37. Match the name of the animal (column I), with one characteristics (column II), and the phylum/ class (column III) to which it belongs :

	Column I	Column II	Column III
(1)	<i>Adamsia</i>	radially symmetrical	Porifera
(2)	<i>Petromyzon</i>	ectoparasite	Cyclostomata
(3)	<i>Ichthyophis</i>	terrestrial	Reptilia
(4)	<i>Limulus</i>	Body covered by chitinous exoskeleton	Pisces

AD0164

AIPMT 2014

38. Which one of the following living organisms completely lacks a cell wall?

- (1) Cyanobacteria
(2) Sea – fan (*Gorgonia*)
(3) *Saccharomyces*
(4) Blue–green algae

AD0166

39. Select the Taxon mentioned that represents both marine and fresh water species :-

- (1) Echinoderms
(2) Ctenophora
(3) Cephalochordata
(4) Cnidaria

AD0167

40. *Planaria* possess high capacity of :-

- (1) Metamorphosis
(2) Regeneration
(3) Alternation of generation
(4) Bioluminescence

AD0168

41. A marine cartilaginous fish that can produce electric current is :-

- (1) *Pristis* (2) *Torpedo*
(3) *Trygon* (4) *Scoliodon*

AD0169

AIPMT 2015

42. Which of the following animals is **not** viviparous?

- (1) Elephant (2) Platypus
(3) Whale (4) Flying fox (Bat)

AD0172

43. Which of the following represents the correct combination without any exception?

	Characteristics	Class
(1)	Mouth ventral, gills without operculum; skin with placoid scales; persistent notochord	Chondrichthyes
(2)	Sucking and circular mouth; jaws absent, integument without scales; paired appendages	Cyclostomata
(3)	Body covered with feathers; skin moist and glandular; fore-limbs form wings; lungs with air sacs	Aves
(4)	Mammary gland; hair on body; pinnae; two pairs of Limbs	Mammalia

AD0173

44. The active form of *Entamoeba histolytica* feeds upon:

- (1) mucosa and submucosa of colon only
(2) food in intestine
(3) blood only
(4) erythrocytes; mucosa and submucosa of colon

AD0174

45. Which of the following endoparasites of humans does show viviparity ?

- (1) *Enterobius vermicularis*
- (2) *Trichinella spiralis*
- (3) *Ascaris lumbricoides*
- (4) *Ancylostoma duodenale*

AD0175

Re-AIPMT 2015

46. Metagenesis refers to :
- (1) Presence of a segmented body and parthenogenetic mode of reproduction
 - (2) Presence of different morphic forms
 - (3) Alternation of generation between asexual and sexual phases of an organism
 - (4) Occurrence of a drastic change in form during post-embryonic development

AD0176

47. Which one of the following animals has two separate circulatory pathways ?

- (1) Shark
- (2) Frog
- (3) Lizard
- (4) Whale

AD0177

48. Body having meshwork of cells, internal cavities lined with food filtering flagellated cells and indirect development are the characteristics of phylum :

- (1) Protozoa
- (2) Coelenterata
- (3) Porifera
- (4) Mollusca

AD0178

49. A jawless fish, which lays eggs in fresh water and whose ammocoetes larvae after metamorphosis return to the ocean is :

- (1) *Petromyzon*
- (2) *Eptatretus*
- (3) *Myxine*
- (4) *Neomyxine*

AD0179

NEET-I 2016

50. Which of the following characteristic features always holds true for the corresponding group of animals?

(1)	Cartilaginous endoskeleton	Chondrichthyes
(2)	Viviparous	Mammalia
(3)	Possess a mouth with an upper and a lower jaw	Chordata
(4)	3 - chambered heart with one incompletely divided ventricle	Reptilia

AD0180

51. Which one of the following characteristics is **not** shared by birds and mammals ?

- (1) Ossified endoskeleton
- (2) Breathing using lungs
- (3) Viviparity
- (4) Warm blooded nature

AD0181

NEET-II 2016

52. Choose the **correct** statement.

- (1) All reptiles have a three-chambered heart.
- (2) All pisces have gills covered by an operculum.
- (3) All mammals are viviparous.
- (4) All cyclostomes do not possess jaws and paired fins.

AD0182

NEET(UG) 2017

53. An important characteristic that Hemichordates share with Chordates is :

- (1) Ventral tubular nerve cord
- (2) Pharynx with gill slits
- (3) Pharynx without gill slits
- (4) Absence of notochord

AD0186

54. Which among these is the correct combination of aquatic mammals ?

- (1) Dolphins, Seals, *Trygon*
- (2) Whales, Dolphins, Seals
- (3) *Trygon*, Whales, Seals
- (4) Seals, Dolphins, Sharks

AD0187

55. In case of poriferans, the spongocoel is lined with flagellated cells called:

- (1) oscula
- (2) choanocytes
- (3) mesenchymal cells
- (4) ostia

AD0188

NEET(UG) 2018

56. Which of the following animals does **not** undergo metamorphosis ?

- (1) Earthworm
- (2) Tunicate
- (3) Moth
- (4) Starfish

AD0195

57. Identify the vertebrate group of animals characterized by crop and gizzard in its digestive system.

- | | |
|--------------|------------------|
| (1) Amphibia | (2) Reptilia |
| (3) Aves | (4) Osteichthyes |

AD0196

58. Which one of these animals is **not** a homeotherm?

- | | |
|---------------------|-----------------------|
| (1) <i>Macropus</i> | (2) <i>Chelone</i> |
| (3) <i>Camelus</i> | (4) <i>Psittacula</i> |

AD0197

59. Ciliates differ from all other protozoans in

- (1) using flagella for locomotion
- (2) having a contractile vacuole for removing excess water
- (3) using pseudopodia for capturing prey
- (4) having two types of nuclei

AD0198

NEET(UG) 2019

60. Match the following organisms with their respective characteristics :-

- | | |
|--------------------------|-------------------------|
| (a) <i>Pila</i> | (i) Flame cells |
| (b) <i>Bombyx</i> | (ii) Comb plates |
| (c) <i>Pleurobrachia</i> | (iii) Radula |
| (d) <i>Taenia</i> | (iv) Malpighian tubules |

Select the **correct** option from the following :-

- | | (a) | (b) | (c) | (d) |
|-----|--------|------|-------|------|
| (1) | (iii) | (ii) | (i) | (iv) |
| (2) | (iii) | (iv) | (ii) | (i) |
| (3) | (ii) | (iv) | (iii) | (i) |
| (4) | (iiii) | (ii) | (iv) | (i) |

AD0292

61. Consider following features:

- (a) Organ system level of organisation
- (b) Bilateral symmetry
- (c) True coelomates with segmentation of body

Select the **correct** option of animal groups which possess all the above characteristics.

- (1) Annelida, Arthropoda and Chordata
- (2) Annelida, Arthropoda and Mollusca
- (3) Arthropoda, Mollusca and Chordata
- (4) Annelida, Mollusca and Chordata

AD0293

NEET(UG) 2019 (Odisha)

62. Match the following genera with their respective phylum:

(a) <i>Ophura</i>	(i) Mollusca
(b) <i>Physalia</i>	(ii) Platyhelminthes
(c) <i>Pinctada</i>	(iii) Echinodermata
(d) <i>Planaria</i>	(iv) Coelenterata

Select the correct option:

- (1) (a)-(iv), (b)-(i), (c)-(iii), d-(ii)
 (2) (a)-(iii), (b)-(iv), (c)-(i), d-(ii)
 (3) (a)-(i), (b)-(iii), (c)-(iv), d-(ii)
 (4) (a)-(iii), (b)-(iv), (c)-(ii), d-(i)

AD0294

63. Which of the following animals are true coelomates with bilateral symmetry?

- (1) Adult Echinoderms
 (2) Aschelminthes
 (3) Platyhelminthes
 (4) Annelids

AD0295

NEET(UG) - 2020

64. Match the following columns and select the correct option.

Column -I

Column -II

(a) 6 -15 pairs of gill slits	(i) <i>Trygon</i>
(b) Heterocercal caudal fin	(ii) Cyclostomes
(c) Air Bladder	(iii) Chondrichthyes
(d) Poison sting	(iv) Osteichthyes

(a)	(b)	(c)	(d)
(1) (i)	(iv)	(iii)	(ii)
(2) (ii)	(iii)	(iv)	(i)
(3) (iii)	(iv)	(i)	(ii)
(4) (iv)	(ii)	(iii)	(i)

AD0298

65. Bilaterally symmetrical and acoelomate animals are exemplified by:

- (1) Annelida (2) Ctenophora
 (3) Platyhelminthes (4) Aschelminthes

AD0299

66. Which of the following statements are true for the phylum-Chordata ?

- (a) In Urochordata notochord extends from head to tail and it is present throughout their life.
 (b) In Vertebrata notochord is present during the embryonic period only.
 (c) Central nervous system is dorsal and hollow.
 (d) Chordata is divided into 3 subphyla : Hemichordata, Tunicata and Cephalochordata.
 (1) (b) and (c) (2) (d) and (c)
 (3) (c) and (a) (4) (a) and (b)

AD0300

67. Match the following columns and select the correct option.

Column-I

Column-II

(a) Gregarious, polyphagous pest	(i) <i>Asterias</i>
(b) Adult with radial symmetry and larva with bilateral symmetry	(ii) Scorpion
(c) Book lungs	(iii) <i>Ctenoplana</i>
(d) Bioluminescence	(iv) <i>Locusta</i>

(a)	(b)	(c)	(d)
(1) (ii)	(i)	(iii)	(iv)
(2) (i)	(iii)	(ii)	(iv)
(3) (iv)	(i)	(ii)	(iii)
(4) (iii)	(ii)	(i)	(iv)

AD0301

NEET (UG)-2020 (COVID-19)

68. Which of the following options does correctly represent the characteristic features of phylum Annelida ?

- (1) Triploblastic, unsegmented body and bilaterally symmetrical.
- (2) Triploblastic, segmented body and bilaterally symmetrical.
- (3) Triploblastic, flattened body and acoelomate condition.
- (4) Diploblastic, mostly marine and radially symmetrical.

AD0302

69. Match the following group of organisms with their respective distinctive characteristics and select the correct option :

Organisms	Characteristics
(a) Platyhelminthes	(i) Cylindrical body with no segmentation
(b) Echinoderms	(ii) Warm blooded animals with direct development
(c) Hemichordates	(iii) Bilateral symmetry with incomplete digestive system
(d) Aves	(iv) Radial symmetry with indirect development

- (1) (a)-(iii), (b)-(iv), (c)-(i), (d)-(ii)
- (2) (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)
- (3) (a)-(iv), (b)-(i), (c)-(ii), (d)-(iii)
- (4) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)

AD0303

70. Match the following columns and select the correct option :

Column - I	Column - II
(a) <i>Aptenodytes</i>	(i) Flying fox
(b) <i>Pteropus</i>	(ii) Angel fish
(c) <i>Pterophyllum</i>	(iii) Lamprey
(d) <i>Petromyzon</i>	(iv) Penguin

- (1) (a)-(iii), (b)-(iv), (c)-(ii), (d)-(i)
- (2) (a)-(iii), (b)-(iv), (c)-(i), (d)-(ii)
- (3) (a)-(iv), (b)-(i), (c)-(ii), (d)-(iii)
- (4) (a)-(ii), (b)-(i), (c)-(iv), (d)-(iii)

AD0304

71. All vertebrates are chordates but all chordates are not vertebrates, why ?

- (1) Notochord is replaced by vertebral column in adult of some chordates.
- (2) Ventral hollow nerve cord remains throughout life in some chordates.
- (3) All chordates possess vertebral column.
- (4) All chordates possess notochord throughout their life.

AD0305

NEET(UG) 2021

72. Read the following statements.

- (a) Metagenesis is observed in Helminths.
- (b) Echinoderms are triploblastic and coelomate animals.
- (c) Round worms have organ-system level of body organization.
- (d) Comb plates present in ctenophores help in digestion.
- (e) Water vascular system is characteristic of echinoderms.

Choose the **correct** answer from the options given below.

- (1) (c), (d) and (e) are correct
- (2) (a), (b) and (c) are correct
- (3) (a), (d) and (e) are correct
- (4) (b), (c) and (e) are correct

AD0306

73. Match List - I with List - II.

List-I		List-II	
(a)	Metamerism	(i)	Coelenterata
(b)	Canal system	(ii)	Ctenophora
(c)	Comb plates	(iii)	Annelida
(d)	Cnidoblasts	(iv)	Porifera

Choose the **correct** answer from the options given below.

- | | | | |
|-----------|-------|------|-------|
| (a) | (b) | (c) | (d) |
| (1) (iv) | (iii) | (i) | (ii) |
| (2) (iii) | (iv) | (i) | (ii) |
| (3) (iii) | (iv) | (ii) | (i) |
| (4) (iv) | (i) | (ii) | (iii) |

AD0307

74. Match the following:

List-I		List-II	
(a)	<i>Physalia</i>	(i)	Pearl oyster
(b)	<i>Limulus</i>	(ii)	Portuguese Man of War
(c)	<i>Ancylostoma</i>	(iii)	Living fossil
(d)	<i>Pinctada</i>	(iv)	Hookworm

Choose the **correct** answer from the options given below.

- | | | | |
|----------|-------|-------|------|
| (a) | (b) | (c) | (d) |
| (1) (ii) | (iii) | (i) | (iv) |
| (2) (iv) | (i) | (iii) | (ii) |
| (3) (ii) | (iii) | (iv) | (i) |
| (4) (i) | (iv) | (iii) | (ii) |

AD0308

75. Which one of the following organisms bears hollow and pneumatic long bones?

- | | |
|---------------------|----------------------------|
| (1) <i>Neophron</i> | (2) <i>Hemidactylus</i> |
| (3) <i>Macropus</i> | (4) <i>Ornithorhynchus</i> |

AD0309

NEET(UG) 2021 (Paper-2)

76. Single circulation is found in

- (1) *Neophron*
- (2) *Scoliodon*
- (3) *Pteropus*
- (4) *Bufo*

AD0313

77. Common characters of all vertebrates without exception is

- (1) Two pairs of limbs
- (2) Exoskeleton
- (3) External ears and body hairs
- (4) Presence of vertebral column

AD0314

78. Pneumatic bones are present in

- | | |
|---------------------|----------------------------|
| (1) <i>Neophron</i> | (2) <i>Ornithorhynchus</i> |
| (3) <i>Testudo</i> | (4) <i>Trygon</i> |

AD0315

79. Which of the following is an incorrect match ?

- (1) *Doliolum* – Urochordata – Subphylum
- (2) *Scoliodon* – Pisces – Super class
- (3) *Bufo* – Gnathostomata – Division
- (4) *Lamprey* – Agnatha – Class

AD0316

NEET(UG) 2022

80. In which of the following animals, digestive tract has additional chambers like crop and gizzard ?

- (1) *Bufo*, *Balaenoptera*, *Bangarus*
- (2) *Catla*, *Columba*, *Crocodilus*
- (3) *Pavo*, *Psittacula*, *Corvus*
- (4) *Corvus*, *Columba*, *Chameleon*

AD0317

81. Given below are two statements : one is labelled as

Assertion (A) and the other is labelled as **Reason (R).**

Assertion (A) :

All vertebrates are chordates but all chordates are not vertebrates.

Reason (R) :

Notochord is replaced by vertebral column in the adult vertebrates.

In the light of the above statements, choose the **most appropriate** answer from the options given below :

- (1) Both **(A)** and **(R)** are correct but **(R)** is **not** the correct explanation of **(A)**
- (2) **(A)** is correct but **(R)** is not correct
- (3) **(A)** is not correct but **(R)** is correct
- (4) Both **(A)** and **(R)** are correct and **(R)** is the correct explanation of **(A)**

AD0318

NEET(UG) 2022 (OVERSEAS)

82. Air bladder is found in :

- (1) Aves
- (2) Cyclostomata
- (3) Chondrichthyes
- (4) Osteichthyes

AD0319

83. Given below are two statements:

Statement-I : Amphibians and reptiles have a 3-chambered heart with two atria and a single ventricle; and oviparous in nature.

Statement-II : Crocodiles possess a 4 chambered heart with two ventricles and two atria; and viviparous in nature.

In the light of the above statements, choose the **most appropriate** answer from the options given below :

- (1) **Statement-I** is incorrect but **Statement-II** is correct
- (2) Both **Statement-I** and **Statement-II** are correct
- (3) Both **Statement-I** and **Statement-II** are incorrect
- (4) **Statement-I** is correct but **Statement-II** is incorrect

AD0320

84. Which one of the following features are **not** true for chordates?

- (a) Heart is dorsal.
- (b) Pharynx is perforated by gill slits.
- (c) Central nervous system is ventral, solid and single.
- (d) Post-anal tail is present.
- (e) Notochord is present.

Choose the **most appropriate** answer from the options given below :

- (1) (a), (d) and (c) only
- (2) (b) and (c) only
- (3) (a) and (c) only
- (4) (e) only

AD0321

Re-NEET(UG) 2022

85. Which of the following animals has three chambered heart ?

- (1) *Scoliodon*
- (2) *Hippocampus*
- (3) *Chelone*
- (4) *Pteropus*

AD0322

86. Select the **Incorrect** statements with respect to Cyclostomes :

- (a) They lack scales and paired fins.
- (b) They have circular mouth with Jaws.
- (c) They bear 6-15 pairs of gills.
- (d) They migrate to deep sea for spawning.

Choose **the most appropriate answer** from the options given below :

- (1) (a) and (b) only (2) (b) and (c) only
- (3) (b) and (d) only (4) (a) and (d) only

AD0323

EXERCISE-II (Previous Year Questions)

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	2	4	4	3	3	3	1	3	3	2	2	2	3	4	2
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	3	3	4	4	1	4	2	2	3	3	1	2	1	3	4
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	4	2	3	4	2	4	2	2	4	2	2	2	1	4	2
Que.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	3	4	3	1	1	3	4	2	2	2	1	3	2	4	2
Que.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Ans.	1	2	4	2	3	1	3	2	1	3	1	4	3	3	1
Que.	76	77	78	79	80	81	82	83	84	85	86				
Ans.	2	4	1	4	3	4	4	4	3	3	3				

EXERCISE-III

Master Your Understanding

EXERCISE-III(A) (NCERT Based QUESTIONS)

1. Which one of the following is a radially symmetrical, blind sac body plan and diploblastic animal?

(1) *Spongilla*
 (2) *Euspongia*
 (3) *Asterias*
 (4) *Physalia*

AD0207

2. Which one is not a platyhelminthes?

(1) Tapeworm
 (2) Liver fluke
 (3) *Planaria*
 (4) Hookworm

AD0208

3. Consider the following statements :-

(A) Protochordates are exclusively marine
 (B) In cephalochordates, Notochord extends from head to tail region.
 (C) In urochordates, Notochord is present only in larval tail.
 (D) Cranium and vertebral column are bony in cyclostomates.

Which of the above statement is/are correct?

(1) A alone
 (2) B, C and D
 (3) A, B and C
 (4) All

AD0209

4. Consider the following characteristic of fishes :-

(A) They have four pairs of gills which are covered by an operculum.
 (B) They have air bladder which regulates buoyancy
 (C) They are mostly viviparous and development is direct
 (D) Their body is streamlined and covered with cycloid/ctenoid scales

Which of the above characteristics regarding bony fishes are correct?

(1) A, B and C (2) C and D
 (3) A, B and D (4) B alone

AD0210

5. Identified the correct statement from the following with reference to Amphibians :-

(A) They have internal fertilisation and development is direct.
 (B) Amphibian skin is moist and without scales
 (C) Their body is divisible into head and trunk
 (D) They have three chambered heart

Select the correct answer :-

(1) A and D (2) A and B
 (3) B, C and D (4) D alone

AD0211

6. Which of the following pairs are correctly matched?

(A) Poikilothermous - Birds and mammals
 (B) Agnatha - *Petromyzon* and *Myxine*
 (C) Tunicates - *Ascidia*, *Salpa* and *Doliolum*
 (D) Cartilaginous fishes - *Betta* and *Labeo*

(1) A and B (2) A, B and C
 (3) B and C (4) A, B and D

AD0212

7. Water vascular system is found in :-

- (1) Porifera (2) Echinodermata
(3) Mollusca (4) Elasmobranch

AD0213

8. Match the column :-

- (a) *Dentalium* (i) Brittle star
(b) *Ophiura* (ii) Cuttle fish
(c) *Antedon* (iii) Sea Urchin
(d) *Echinus* (iv) Tusk shell
(e) *Sepia* (v) Sea lily

(1) a-(iv), b-(i), c-(iv), d-(ii), e-(iii)

(2) a-(iv), b-(i), c-(v), d-(iii), e-(ii)

(3) a-(i), b-(iv), c-(v), d-(iii), e-(ii)

(4) a-(iv), b-(i), c-(iii), d-(v), e-(ii)

AD0214

9. True coelom and metameric segmentation in the body is first observed in which of the following phylum

- (1) Platyhelminthes (2) Aschelminthes
(3) Annelida (4) Arthropoda

AD0215

10. Read the following statements (a to e) carefully :-

- (a) Triploplastic
(b) Bilateral symmetric
(c) Organ system organisation
(d) Pseudocoelomate
(e) Metameric segmentation

Which of the above statement(s) is/are correct for phylum Aschelminthes

- (1) a and b only (2) a, b, c and e
(3) a, b, c and d (4) a, b, c, d and e

AD0216

11. Which of the following coelenterate exist in both forms polyp and medusa and exhibit metagenesis?

- (1) *Hydra* (2) *Adamsia*
(3) *Obelia* (4) *Gorgonia*

AD0217

12. Which of the following animal is radially symmetrical but has a bilaterally symmetrical larva?

- (1) *Ascaris* (Round worm)
(2) *Nereis* (Ring worm)
(3) *Pila* (Apple snail)
(4) *Asterias* (Star fish)

AD0218

13. Mark the incorrectly matched pair

- (1) *Petromyzon* - Body devoid of scales and paired fins
(2) *Scoliodon* - Operculum present but air bladder is absent
(3) *Exocoetus* - Heart two chambered with sinus venosus
(4) *Rana* - Cold blooded with 10 pairs of cranial nerves and mesonephric kidneys

AD0219

14. Match list 'A' and List 'B' correctly and find your answer from the code given below :-

List-A

List-B

(Animal)

(Common name)

- (i) *Physalia* (A) Brain coral
(ii) *Pennatula* (B) Sea fan
(iii) *Gorgonia* (C) Sea pen
(iv) *Meandrina* (D) Portuguese man of war

Code :

- (1) (i)-A, (ii)-B, (iii)-C, (iv)-D
(2) (i)-D, (ii)-C, (iii)-B, (iv)-A
(3) (i)-C, (ii)-D, (iii)-B, (iv)-A
(4) (i)-D, (ii)-C, (iii)-A, (iv)-B

AD0220

15. Which of the following is gregarious pest?

- (1) Bed bug (2) Rat
(3) Cockroach (4) Locusta

AD0221

16. Pick the odd pair out :-

- (1) Cellular level : Porifera
(2) Tissue level : Aschelminthes
(3) Organ level : Platyhelminthes
(4) Organ system level : Annelida

AD0222

17. Select the group of organisms given below those have diploblastic members only :-

- (1) *Ctenoplane*, *Taenia*, *Fasciola*
(2) *Aurelia*, *Physalia*, *Meandrina*
(3) *Wuchereria*, *Culex*, *Limulus*
(4) *Aedes*, *Ascaris*, *Hydra*

AD0223

18. Fresh water sponge is :-

- (1) *Spongilla* (2) *Scypha*
(3) *Euspongia* (4) *Leucosolenia*

AD0224

19. The symmetry found in an animal which can be divided into indential left and right halves in only one plane is:-

- (1) Spherical (2) Bilateral
(3) Radial (4) Biradial

AD0225

20. Select the pseudocoelomates from the list of organisms given below :-

- (1) *Ascaris*, *Fasciola*, *Taenia*
(2) *Culex*, *Locusta*, *Limulus*
(3) *Wuchereria*, *Ascaris*, *Ancylostoma*
(4) *Nereis*, *Hirudinaria*, *Wuchereria*

AD0226

21. Which of the following pairs of animals comprise 'Combjeillies' ?

- (1) *Balanoglossus* and *Saccoglossus*
(2) *Pleurobranchia* and *Ctenoplana*
(3) Sea anemone and sea pen
(4) Sea lily and brittle star

AD0227

22. Which one of the following pairs of animals comprise 'Cartilaginous fishes'?

- (1) *Labeo* and *Catla*
(2) *Pterophyllum* and *Scoliodon*
(3) *Pristis* and *Carcharodon*
(4) *Petromyzon* and *Myxine*

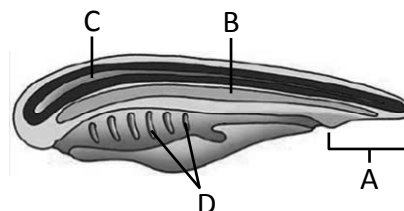
AD0228

23. Which of the following fishes is also known as "Great white shark"?

- (1) *Pristis* (2) *Trygon*
(3) *Clarias* (4) *Carcharodon*

AD0229

24.



A schematic representation of a chordate's embryo is shown in the above figure.

The structures marked **A**, **B**, **C** and **D** are respectively :-

- (1) Notochord, Nerve cord, Intestine and gill slits
(2) Postanal part, Gill slits, Nerve cord and Notochord
(3) Postanal part, nerve cord, Notochord and Gill
(4) Post anal part, Notochord, Nervecord and Gill slits.

AD0230

25. In which one of the following protochordates notochord present only in the tail of larva ?

(1) *Ascidia*
 (2) *Balanoglossus*
 (3) *Myxine*
 (4) *Branchiostoma*

AD0231

26. In which of the following group notochord present in whole life?

(1) Hemichordata
 (2) Urochordata
 (3) Cephalochordata
 (4) Vertebrata

AD0232

27. Match the column-I with the column-II and find out the correct answer :

Column-I**Column-II**

- | | |
|------------------------------------|----------------------|
| (A) Spongocoel | (i) Arthropoda |
| (B) Dorso-ventrally flattened body | (ii) Cnidaria |
| (C) Coelenteron cavity | (iii) Porifera |
| (D) Chitinous exoskeleton | (iv) Platyhelminthes |
- (1) A-iii, B-iv, C-i, D-ii
 (2) A-iv, B-iii, C-ii, D-i
 (3) A-iii, B-iv, C-ii, D-i
 (4) A-ii, B-iv, C-iii, D-i

AD0233

28. Which of the following is a matching pair ?

(1) *Ophiura* - Sea lily
 (2) *Octopus* - Cuttle fish
 (3) *Torpedo* - Electric ray
 (4) *Aptenodytes* - Ostrich

AD0234

29. Which one is not the character of Osteichthyes?

(1) Terminal mouth
 (2) Gills with operculum
 (3) Body covered by placoid scales
 (4) Air bladder regulate buoyancy.

AD0235

30. Which one of the following pairs is not correctly matched?

(1) *Choetoppleura* - Chiton
 (2) *Ascaris* - Round worm
 (3) *Wuchereria* - Filaria worm
 (4) *Enterobias* - Hook worm

AD0236

EXERCISE-III(B) (ANALYTICAL QUESTIONS)

31. Which one of the following is a matching pair of an animal and a certain phenomenon it exhibits :-

(1) *Pheretima* – Sexual dimorphism
 (2) *Musca* – Complete metamorphosis
 (3) *Chameleon* – Mimicry
 (4) *Taenia* – Polymorphism

AD0237

32. The greatest evolutionary change that enabled the land vertebrates to be completely free from water, was the development of -

(1) four appendages
 (2) lungs
 (3) cleidoic eggs
 (4) four chambered heart

AD0238

33. During its life-cycle, *Fasciola hepatica* (liver fluke) infects its intermediate host and primary host at the following larval stages respectively :-

(1) Redia and miracidium
 (2) Cercaria and redia
 (3) Metacercaria and cercaria
 (4) Miracidium and metacercaria

AD0239

34. A mammal which completely lives in water is?

(1) Bear (2) Camel
(3) Whale (4) Rhinoceros

AD0240

35. Which of the following does not make a nest of its own ?

(1) Crow
(2) Parrot
(3) Cuckoo (Koel)
(4) Sparrow

AD0241

36. Identify the correct match from the column I, II and III

Column I	Column II	Column III
1 <i>Leishmania donovani</i>	a Sleeping sickness	i Termites
2 <i>Trichonympha</i>	b Kala-azar	ii Silk worm
3 <i>Nosema</i>	c Glucosidases	iii Tse-tse fly
4 <i>Tiypnosoma</i>	d Pebrine	iv Sand fly

Options :-

(1) 2-a-i, 1-b-iv, 3-d-ii, 4-c-iii
(2) 1-b-iv, 2-c-i, 3-d-ii, 4-a-iii
(3) 1-b-iii, 2-c-ii, 3-d-i, 4-a-iv
(4) 2-b-iv, 1-c-i, 3-a-ii, 4-d-iii

AD0242

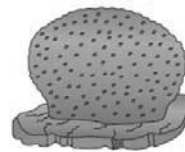
37. How many in the given examples of animals are Coelenterates?

Physalia, Obelia, Plannaria, Pennatula, Gorgonia, Pleurobrachia, Meandrina and Nereis

(1) Three (2) Four
(3) Five (4) Six

AD0243

38. Identify the following four animals (A, B, C and D) given below. Which one of these is not correctly identified in the option given along with its correct taxonomic group and their common name ?



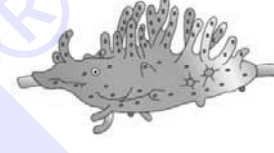
A



B



C



D

Options :-

Option	Fig.	Name of animal	Taxonomic group	Common Name
(1)	B	<i>Adamsia</i>	Ctenophora	Star coral
(2)	D	<i>Spongilla</i>	Porifera	Fresh water sponge
(3)	C	<i>Aurelia</i>	Coelenterata	Jelly fish
(4)	A	<i>Enspingia</i>	Porifera	Bath sponge

AD0244

39. How many organism are related with Echinodermata phylum?

Star fish, Sea-urchin, Sea-lily, Sea-mouse, Sea-hare, Sea-cucumber, Brittle star, Sea-potato, Sea-squirt, Sea-fan, Sea-pen

(1) 4 (2) 5
(3) 6 (4) 7

AD0245

- 40.** Which of the following unicellular organism has a macronucleus for trophic function and one or more micronuclei for reproduction?
 (1) *Trypanosoma* (2) *Paramoecium*
 (3) *Euglena* (4) *Amoeba*
AD0246
- 41.** Which one of the following features is common in - silverfish, scorpion, dragonfly and prawn ?
 (1) Three pairs of legs and segmented body
 (2) Chitinous cuticle and two pairs of antennae
 (3) Jointed appendages and chitinous exoskeleton
 (4) Cephalothorax involves
AD0247
- 42.** Adult *Wuchereria bancrofti* attacks -
 (1) Nervous system
 (2) Lymph vessels
 (3) Muscular system
 (4) Blood vessels
AD0248
- 43.** In which animal nerve cell is present but brain is absent?
 (1) Sponge
 (2) Earthworm
 (3) Cockroach
 (4) *Hydra*
AD0249
- 44.** Which group of vertebrates have characteristic features the presence of feathers and most of them can fly ?
 (1) Mammals (2) Fishes
 (3) Reptiles (4) Birds
AD0310
- 45.** Which class name refers to their creeping or crawling mode of locomotion (Latin, repere or reptum, to creep or crawl)?
 (1) Aves
 (2) Mammalia
 (3) Amphibia
 (4) Reptilia
AD0311
- 46.** Which one of the following is not a living fossil ?
 (1) *Peripatus*
 (2) King crab
 (3) *Sphenodon*
 (4) *Archaeopteryx*
AD0252
- 47.** Body is divisible into head and trunk in?
 (1) Lizard
 (2) Frog
 (3) Peacock
 (4) Platypus
AD0312
- 48.** The evidence for the origin of birds from reptiles is the presence in them of -
 (1) feathers (2) scales
 (3) claws (4) hairs
AD0254
- 49.** In which one of the following groups all animals are hermaphrodite?
 (1) *Hydra*, *Ascaris*, *Pheretima*
 (2) *Hydra*, *Homo sapiens*, Leech
 (3) Tapeworm, Toad, Starfish
 (4) *Hydra*, Leech, Tapeworm
AD0255

50. Which of the following shows the sexual

AD0256

dimorphism?

(1) *Hydra* & *Ascaris*

(2) *Hydra* & *Macaca*

(3) *Ascaris* & *Pheretima*

(4) *Ascaris* & *Macaca*

EXERCISE-III

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	4	4	3	3	3	3	2	2	3	3	3	4	2	2	4
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	2	2	1	2	3	2	3	4	4	1	3	3	3	3	4
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	2	3	4	3	3	2	3	1	2	2	3	2	4	4	4
Que.	46	47	48	49	50										
Ans.	4	2	2	4	4										