

## Chapter

## 01

## ANIMAL KINGDOM



## TOPIC WISE QUESTIONS



## BASIS OF CLASSIFICATION

**Q.1** Tube-within-tube body plan is found in which animal:

- (1) Euspongia (2) Fasciola  
(3) Hydra (4) Ascaris

**Q.2** Which of the following statement are true/false?

- I. Cell aggregate body plan is found in phylum Platyhelminthes.
- II. Radial symmetry is the most common symmetry found in animals
- III. Pseudocoelom is only found in phylum Aschelminthes.
- IV. All triploblastic animals have a true coelom.
- V. Haemocoel is sometimes observed in animals belonging to phylum—Platyhelminthes.

- (1) I and V are true and II, III and IV are false  
(2) II, III and V are true and I and IV are false  
(3) I, II and III are true and IV and V are false  
(4) I, II, IV and V are false, only III is true

**Q.3** The symmetry found in an animal which can be divided into identical left and right halves in only one plane is:-

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

**Q.4** Which of the following phylum do possess true coelom?

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

**Q.5** Loose cell aggregate type body plan is found in \_\_\_\_.

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

**Q.6** Which of the following phylum is pseudocoelomate?

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

**Q.7** When any plane passing through the central axis of body and divides the animal into two identical halves It is called as \_\_\_\_.

- (1) Assymetry (2) Radial symmetry  
(3) Bilateral symmetry (4) Biradial symmetry

**Q.8** Which of the following phylum have "Tube within tube" body plan?

- (1) Platyhelminthes (2) Coelenterata  
(3) Porifera (4) Nemathelminthes

**Q.9** Incomplete digestive tract found in:

- (1) Fasciola and Ascaris  
(2) Fasciola and Schistosoma  
(3) Ascaris and Earthworm  
(4) Hydra and Ascaris

**Q.10** Match the following columns.

Column I	Column II	Column III
A. Triploblastic	i. Segmentation of external division corresponding with internal divisions	1. Jelly fish
B. Tissue level Organisation	ii. Body divided into two halves by plane passing through the centre from top to bottom	2. Roundworms

C. Metamerism	iii.	Presence of ectoderm, mesoderm and endoderm, during embryonic stages	3.	Hydra
D. Radial symmetry	iv.	Specialised cells performing the same function	4.	Earth worm

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

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

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

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

**Q.11** In contrast to Annelids the Platyhelminthes show

- (1) Absence of body coelome
- (2) Presence of pseudocoel
- (3) Radial symmetry
- (4) Bilateral symmetry

**Q.12** 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

**Q.13** Animals showing metameric segmentation are:

- (1) Poriferans
- (2) Annelids
- (3) Tape-worms
- (4) Aschelminthes

#### PHYLUM -PORIFERA

**Q.14** 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 Cavity
- (4) Multicellular having tissue organization, but no body cavity

**Q.15** If a food particle is placed near the osculum of a sponge then it will:

- (1) Be thrown away
- (2) Be ingested
- (3) Rotate round osculum

(4) Be ingested first and then thrown out through ostia

**Q.16** The canal system is characteristic feature of:

- (1) Sponges
- (2) Helminthes
- (3) Echinoderms
- (4) Coelenterates

**Q.17** Which of the following cells of porifera act as totipotent cells and responsible for high power of regeneration?

- (1) Pinacocytes
- (2) Choanocytes
- (3) Myocytes
- (4) Archeocytes

**Q.18** Larval form found in sponges is :

- (1) Planula
- (2) Amphiblastula
- (3) Cysticercus
- (4) Glochidium

**Q.19** Fertilization in Sycon is :

- (1) Internals & Cross
- (2) External & Self
- (3) Internal & Self
- (4) External & Cross

**Q.20** "Venus flower basket" is :

- (1) Hyalonema
- (2) Euplectella
- (3) Sycon
- (4) Euspongia

**Q.21** Canal system in Porifera is not concerned with

- (1) Respiration
- (2) Nutrition
- (3) Sexual reproduction
- (4) Movement

**Q.22** Which of the following is not a Porifera?

- (1) Sycon
- (2) Spirulina
- (3) Euspongia
- (4) Spongilla

**Q.23** The middle layer of the body wall of porifera is an

- (1) Mesenchyme
- (2) Mesoderm
- (3) Mesogloea
- (4) Mesentery

**Q.24** Sponges have a water transport or canal system in which the path of water is

- (1) osculum → ostia → spongocoel
- (2) ostia → osculum → spongocoel
- (3) Ostia → spongocoel → osculum
- (4) osculum → spongocoel → ostia

**Q.25** Choanocytes are found in

- (1) outer epithelium
- (2) inner epithelium
- (3) Mesoglea
- (4) Spongocoel

#### PHYLUM - COELENTERATA

**Q.26** Sea-anemone belongs to phylum:

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

**Q.27** Which one of the following is Coelenterates?

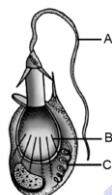
- (1) Sea cow
- (2) Sea cucumber
- (3) Sea fan
- (4) Sea horse

## BIOLOGY

**Q.28** In *Hydra*, waste material of food digestion and nitrogenous waste material removed respectively:

- (1) Mouth and Anus
- (2) Anus and body wall
- (3) Mouth and body wall
- (4) Mouth and tentacles

**Q.29** Choose the **correct** options for the following diagram:



- (1) A - Cnidocil, B- Refractile rod, C- Stylet
- (2) A- Thread tube, B - Contractile fibril (Supporting fibril), C - Lasso
- (3) A - Stylet, B - Refractile rod, C - Capsule
- (4) A - Cnidocil, B - Spine, C - Thread tube

**Q.30** Which of the following groups of animals have the following feature?

- I. Diploblastic      II. Acoelomate  
III. Radial symmetry

- (1) Planaria, Physalia, Aurelia
- (2) Taenia, Fasciola, Wuchereria
- (3) Adamsia, Obelia, Meandrina
- (4) Fasciola, Sycon, Sea walnut

**Q.31** Which one of the following animals is diploblastic?

- (1) Pennatula      (2) Paramecium
- (3) Taenia solium      (4) Ascaris

**Q.32** The function of nematoblast in coelenterate is:

- (1) Locomotion      (2) Offence & defence
- (3) Reproduction      (4) Nutrition

**Q.33** "Corals" belongs to the phylum:

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

**Q.34** Nematocyst is

- (1) Living part of cnidoblast
- (2) Lying outside the cnidoblast
- (3) Absent in coelenterate
- (4) non-living capsulated structure within the cnidoblast.

**Q.35** Polyp stage is not found in which coelenterate

- (1) Hydra      (2) Aurelia
- (3) Metridium      (4) Adamsia

**Q.36** "Portuguese man of war" is:

- (1) Obelia      (2) Physalia
- (3) Euplectella      (4) Meandrina

**Q.37** Corals have a skeleton composed of

- (1)  $\text{CaCO}_3$       (2)  $\text{CaPO}_4$       (3)  $\text{CaCl}_2$       (4)  $\text{CaSiO}_2$

**Q.38** Which animal is umbrella shaped & free swimming

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

### PHYLUM-CTENOPHORA

**Q.39** "Comb-jellies" or "Sea Walnuts" belong to the phylum:

- (1) Coelenterata      (2) Ctenophora
- (3) Mollusca      (4) Echinodermata

**Q.40** Which one of the following is Ctenophora?

- (1) Sea cow      (2) Sea cucumber
- (3) Pleurobrachia      (4) Sea horse

**Q.41** Locomotion in ctenophora takes place by :

- (1) Parapodia      (2) Setae
- (3) Ciliary comb plates      (4) Flagella

**Q.42** Digestion in ctenophora:

- (1) Extracellular
- (2) Intracellular
- (3) Extracellular and intracellular both
- (4) Ctenophors are saprotrophic

**Q.43** Bioluminescence is property of:

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

**Q.44** Reproduction in Ctenoplana takes place by

- (1) budding      (2) sexual reproduction
- (3) binary fission      (4) multiple fission

**Q.45** Identifying feature of phylum-Ctenophora is

- (1) the presence of comp plates and appearance like jellies
- (2) the presence of comb plates only
- (3) the presence of tentacles only
- (4) alternation of generations only

**Q.46** Phylum-Ctenophora shows affinities with

- (1) Cnidaria      (2) Aschelminthes
- (3) Cephalopoda      (4) Turbellaria

**Q.47** Which of the following is not a cnidarian?

- (1) hydra      (2) Sea pen



- (3) Aurelia (4) Beroe

**Q.48** Locomotion by 8 ciliary comb plates takes place in

- (1) Ctenoplana (2) Ascaris  
(3) Sycon (4) Nereis

**Q.49** Pleurobrachia is also known as

- (1) Swimming eye of cat  
(2) Sea gooseberry  
(3) Sand gooseberry  
(4) Swimming eye of dog

#### PHYLUM-PLATYHELMINTHES

**Q.50** Platyhelminthes are:

- (1) Diploblastic, radially symmetrical and coelomate  
(2) Diploblastic, radially symmetrical and acoelomate  
(3) Triploblastic, bilaterally symmetrical and acoelomate  
(4) Triploblastic, bilaterally symmetrical and pseudocoelomate

**Q.51** Protonephridia or flame cells of fresh water platyhelminthes help in :

- (1) Excretion and osmoregulation  
(2) Nutrition and excretion  
(3) Reproduction and respiration  
(4) Secretion and Nutrition

**Q.52** Which one of the following has mesoderm but no coelom ?

- (1) Flatworm (2) Earthworm  
(3) Roundworm (4) Hirudinaria

**Q.53** Which one is **not** a platyhelminthes?

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

**Q.54** Syncytial epidermis is found in :

- (1) Hydra (2) Star fish  
(3) Earthworm (4) Ascaris

**Q.55** *Taenia solium* has :

- (1) Both mouth and anus  
(2) Only mouth present but no anus  
(3) Only anus present but no mouth  
(4) Digestive tract is absent

**Q.56** Which of the following is not a coelomate animal

- (1) Ophiura (2) Balanoglossus  
(3) Taenia (4) Saccoglossus

**Q.57** Flame cells for osmoregulation is used by

- (1) Fasciola (2) Nereis

- (3) Pheremita (4) Hirudinaria

**Q.58** Parasitic animals have well-developed

- (1) reproductive system (2) digestive system  
(3) respiratory system (4) All of the above

**Q.59** Ladder like nervous system is found in

- (1) Platyhelminthes (2) Aschelminthes  
(3) Porifera (4) Coelenterata

#### PHYLUM-ASCHELMINTHES

**Q.60** One of the following animals has unsegmented body :

- (1) Earthworm (2) Leech  
(3) Taenia (4) Ascaris

**Q.61** Which of the following endoparasite of man is viviparous ?

- (1) Ascaris (2) Wuchereria  
(3) Taenia (4) Ancylostoma

**Q.62** In India, filariasis is transmitted by

- (1) Anopheles (2) Culex  
(3) Musca (4) Aedes

**Q.63** Aschelminthes are usually

- (1) dioecious (2) hermaphrodites  
(3) metagenic (4) coelomates

**Q.64** *Wuchereria bancrofti* is a common filarial worm. It belongs to phylum

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

**Q.65** *Ascaris* is characterised by

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

**Q.66** *Acylostoma* is also known as

- (1) Pinworm (2) Hookworm  
(3) Flatworm (4) Filarial worm

**Q.67** Filariasis is caused by

- (1) Pinworm (2) Hookworm  
(3) Flatworm (4) Filarial worm

**Q.68** Which digestive organ is absent in roundworms

- Digestive tract  
(1) Pharynx (2) Mouth

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- (3) Intestine (4) Crop

**Q.69** Skeletal, Respiratory and circulatory system is absent in

- (1) Aschelminthes (2) Arthropoda  
(3) Urochordata (4) Hemichordata

### PHYLUM-ANNELIDA

**Q.70** Which of the following is Monoecious ?

- (1) Neries (2) Periplaneta  
(3) Ascaris (4) Pheretima

**Q.71** In Annelids formation of larva is usually absent but when present the larva is called :

- (1) Tadpole (2) Planula  
(3) Trochophore (4) Ephyra

**Q.72** Haemoglobin is dissolved in blood plasma of

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

**Q.73** Which animal do not possess larval stage in its life cycle ?

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

**Q.74** Which of the following is an Annelids ?

- (1) Ascaris (2) Sand worm  
(3) Sea-fan (4) Sea pen

**Q.75** Trochophore larva is found in

- (1) Nereis (2) Pheretima  
(3) leech (4) All of the above

**Q.76** Excretory product of terrestrial annelids is

- (1) Ammonia (2) Urea  
(3) Uric acid (4) Amino acid

**Q.77** Earthworm, Nereis are

- (1) dioecious, Monoecious  
(2) dioecious, dioecious  
(3) Monoecious, dioecious  
(4) Monoecious, Monoecious

**Q.78** Close circulation is appeared first of all in

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

**Q.79** Hirudinaria also known as

- (1) leech (2) Earthworm  
(3) Sandworm (4) Roundworm

### PHYLUM-ARTHROPODA

**Q.80** 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

**Q.81** Which of the following characteristic is shared by all arthropods ?

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

**Q.82** Members of phylum Arthropoda have all features except :

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

**Q.83** 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

**Q.84** Which of the following animal is considered as "Living fossil" ?

- (1) Limulus (2) Spider  
(3) Eupagurus (4) Scorpion

**Q.85** Select the gregarious pest :

- (1) Locusta (2) Culex (3) Aedes (4) Apis

**Q.86** Which of the following character does not belong to Arthropoda ?

- (1) Presence of haemoglobin  
(2) Movable jaws  
(3) Segmented body  
(4) Jointed legs

**Q.87** Excretion in Arthropod animals take place by

- (1) Malpighian tubules (2) Green glands

- (3) Coxal glands (4) All of the above

**Q.88** Which one of the following is most important feature of insects ?

- (1) Compound eyes (2) Long abdomen  
(3) Three pairs of legs (4) Two pairs of wings

**Q.89** Number of walking legs in a spider are :

- (1) Three pairs (2) Four pairs  
(3) Six pairs (4) Two pairs

**Q.90** The pigment in prawn is ?

- (1) Haemoglobin (2) Haemocyanin  
(3) Erythrocrutorin (4) Both (1) and (2)

**Q.91** Book gills for respiration are found in ?

- (1) House-fly (2) Termites  
(3) Prawn (4) King-Crab

**Q.92** Choose the **correct** one :

- (1) Prawn – lungs  
(2) King crab – cutaneous  
(3) Cockroach – Book gills  
(4) Scorpion – Book lungs

**Q.93** Which of the following animals is not an Insect?

- (1) Scorpion (2) Honey bee  
(3) Cockroach (4) Silkworm

#### PHYLUM-MOLLUSCA

**Q.94** Ink glands are found in :

- (1) Sponge (2) Star fish (3) Sepia (4) Jelly fish

**Q.95** Which mollusca is called **tusk shell** ?

- (1) *Neopilina* (2) *Pila*  
(3) *Dentalium* (4) *Doris*

**Q.96** Secretion of shell in molluscs take place by :

- (1) Foot (2) Ink gland  
(3) Radula (4) Mantle

**Q.97** 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

**Q.98** Open type of blood vascular system and presence of haemocyanin pigment are the characters of :

- (1) Mollusca (2) Annelida  
(3) Echinodermata (4) Hemichordata

**Q.99** Segmentation of body is not represented in :

- (1) Cray - fish (2) Sepia  
(3) Grass hopper (4) Silver fish

**Q.100** The connecting link between annelida and mollusca is :

- (1) Peripatus (2) Hirudinaria  
(3) Neopilina (4) Bonellia

**Q.101** Organ of Bojanus are found in :

- (1) Chordata (2) Echinodermata  
(3) Annelida (4) Mollusca

**Q.102** Which of the following is a mollusc ?

- (1) Sea-horse (2) Sea-mouse  
(3) Sea-hare (4) Sea-cow

**Q.103** Pila is

- (1) Apple snail (2) Chiton  
(3) Sea hare (4) Devil fish

**Q.104** Pinctada is a member of

- (1) phylum mollusca  
(2) phylum Hemichordata  
(3) phylum arthropoda  
(4) phylum Chordata

#### PHYLUM-ECHINODERMATA

**Q.105** Which one of the following is a correct matching pair of a body feature and the animal possessing it ?

- (1) **Canal system** -Hydra  
(2) **Metagenesis** -Obelia  
(3) **Dorsal nerve cord** -Pheretima  
(4) **Muscular pharynx** - Taenia

**Q.106** 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

**Q.107** Aristotle lantern is found in :

- (1) Sea - urchin (2) Sepia  
(3) Star fish (4) Sea cucumber

**Q.108** Which of the following is **not related** with Echinodermata ?

- (1) Madreporite (2) Parapodia  
(3) Marine habitat (4) Autotomy

**Q.109** Locomotory organs of echinoderms are :

- (1) Tube feet (2) Setae



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- (3) Parapodia (4) Pseudopodia

**Q.110** Absence of excretory organs, great power of regeneration and exclusively marine animals belongs to the phylum :

- (1) Mollusca (2) Arthropods  
(3) Echinodermata (4) Annelida

**Q.111** Find the odd example.

- (1) Sea fan (2) sea lily  
(3) Sea urchin (4) Sea cucumber

**Q.112** Which is the characteristic feature of Echinodermata ?

- (1) Smooth skin and radial symmetry  
(2) Spiny skin and radial symmetry  
(3) Spiny skin and bilateral symmetry  
(4) Smooth skin and bilateral symmetry

**Q.113** Antedon is also known as

- (1) Brittle star (2) Star fish  
(3) Sea urchin (4) Sea lily

**Q.114** Mouth of echinoderms is present on

- (1) ventral side  
(2) dorsal side  
(3) may be ventral or dorsal  
(4) mouth is absent

### PHYLUM—HEMICHORDATA

**Q.115** Stomochord (Buccal diverticulum) is present in :

- (1) Amphioxus (2) Herdmania  
(3) Balanoglossus (4) Asterias

**Q.116** Excretory organ of Balanoglossus is :

- (1) Protonephridia (2) Supra neural gland  
(3) Solenocytes (4) Proboscis gland

**Q.117** Respiration in hemichordates occurs through

- (1) body surface (2) Lungs  
(3) Skin (4) Gills

**Q.118** Connecting link between non-chordates and chordates is

- (1) Echinodermata (2) hemichordata  
(3) urochordata (4) cephalochordata

**Q.119** Members of hemichordata are

- (1) exclusively marine and worm like  
(2) exclusively fresh water and worm like  
(3) exclusively marine and flatworm  
(4) exclusively Fresh water but not worm like

**Q.120** Respiratory pigment in Balanoglossus is

- (1) haemocyanin (2) haemoglobin

- (3) chlorocruorin (4) None of these

**Q.121** fertilization and development in Hemichordates is

- (1) internal, direct (2) external, direct  
(3) Internal, indirect (4) external, indirect

**Q.122** Balanoglossus is also known as

- (1) Tongue worm (2) Hook worm  
(3) earth worm (4) Pin worm

**Q.123** Which of the following statement is correct about hemichordates

- (1) close circulation is present with dorsal heart  
(2) open circulation is present with dorsal heart  
(3) close circulation is present with ventral heart  
(4) open circulation is present with ventral heart.

### CHORDATA

**Q.124** In which of the following animal **post anal tail** is found :

- (1) Earthworm (2) Lower invertebrate  
(3) Scorpion (4) Snake

**Q.125** In which of the following notochord is present in embryonic stage :

- (1) All chordates (3) Vertebrates  
(2) Some chordates (4) Non chordates

**Q.126** 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

**Q.127** 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)

**Q.128** 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

**Q.129** 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

**Q.130** Which one of the following is a chordate but not a vertebrate?

- (1) Scoliodon (2) Hag fish  
(3) Amphioxus (4) Star fish

**Q.131** Chordates are distinguished from non-chordates by the presence of:

- (1) Brain  
(2) Dorsal hollow tubular nerve cord  
(3) Ventral nerve cord  
(4) Dorsal solid nerve cord

**Q.132** Which of the following are **Anamniotes**?

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

**Q.133** Which of the following character is not found in all the chordates :

- (1) Diaphragm (2) Coelom  
(3) Pharyngeal gill slits (4) Dorsal nerve cord

**Q.134** Notochord is found only in the tail of Larva in

- (1) All chordata (2) Hemichordata  
(3) Urochordata (4) Cephalochordata

**Q.135** Which of the following is the larva of Petromyzon?

- (1) Ammocoete (2) Bipinnaria  
(3) Tadpole (4) Tornaria

**Q.136** Circular and sucktorial mouth is present in :

- (1) Labeo (2) Petromyzon  
(3) Scoliodon (4) All the above

#### CLASS – CHONDRICHTHYES & OSTEICHTHYES

**Q.137** Sea horse belongs to :

- (1) Amphibia (2) Fishes  
(3) Mammals (4) Reptilia

**Q.138** Which statement is incorrect for animals belonging to class of Chondrichthyes ?

- (1) Presence of placoid scales  
(2) Absence of air bladder  
(3) Presence of cartilaginous endoskeleton  
(4) Notochord is persistent only at larval stage, after that it disappears.

**Q.139** Match the following columns.

Column-I			Column-II
A.	These possess electric organs	1	Trygon

B.	Animals of this class are poikilothermous	2	Cyclostomata
C.	These possess poison sting	3	Torpedo
D.	These migrate for spawning to freshwater	4	Chondrichthyes
		5	Petromyzon
		6	Exocoetus

**Codes :**

	A	B	C	D
(1)	6	1	3	2
(2)	1	4	6	5
(3)	3	4	1	5
(4)	3	4	6	2

**Q.140** Which one of the following is a true fish ?

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

**Q.141** Which is a **balancing organ** of fish ?

- (1) Ampulla of lorenzini (2) Statocyst  
(3) Air bladder (4) Internal ear

**Q.142** Which fish is known as living fossil ?

- (1) Chimera (2) Latimeria  
(3) Pristis (4) Harpodon

**Q.143** Air bladder is present in :

- (1) Dog fish (2) Flying fish  
(3) Hag fish (4) Electric fish

**Q.144** Ampulla of lorenzini are found in :

- (1) Scoliodon (2) Labeo  
(3) Rattus (4) Hippocampus

**Q.145** Which of the following fish is a connecting link between cartilaginous and bony fishes ?

- (1) Chimaera (2) Rhineodon  
(3) Latimeria (4) Whale

**Q.146** Which of the following are usually **viviparous** ?

- (1) Lungs fishes (2) Frog  
(3) Sharks (4) Bony fishes

**Q.147** The fish that swims vertically :

- (1) Scoliodon (2) Hippocampus  
(3) Exocoetus (4) Syngnathus

**Q.148** Lung fishes shows the characters of :

- (1) Reptiles and birds  
(2) Reptiles and mammals  
(3) Birds and mammals  
(4) Fishes and amphibia

#### CLASS – AMPHIBIA

**Q.149** Tailed amphibian is :

- (1) Ichthyophis (2) Frog



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- (3) Salamander (4) Toad

**Q.150** Kidney in amphibians is :

- (1) Pronephric (2) Mesonephric  
(3) Archinephric (4) Metanephric

**Q.151** Blind and deaf worm is an :

- (1) Amphibian (2) Mammals  
(3) Reptilian (4) Fishes

**Q.152** 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

**Q.153** Which one of the following amphibian has dermal scales in its skin ?

- (1) Bufo (2) Ichthyophis  
(3) Frog (4) Salamandra

**Q.154** Which of the following is a tree frog ?

- (1) Alytes (2) Necturus  
(3) Hyla (4) Rana

**Q.155** Amphibians have :

- (1) Incomplete double circulation  
(2) Complete double circulation  
(3) Open circulation  
(4) Single circulation

**Q.156** The amphibians are characterized by :

- (1) Only aquatic habit  
(2) Monocondylar skull  
(3) Scaleless, Smooth, moist and glandular skin  
(4) Claws present at the tip of digits

**Q.157** Respiration in frog Occurs by :

- (1) Lungs  
(2) Skin  
(3) Bucco-pharyngeal cavity  
(4) All of these

**Q.158** Which of the following have three chambered heart :

- (1) Ophiura (2) Bufo  
(3) Trygon (4) Torpedo

### CLASS – REPTILIA

**Q.159** Most favourable land adaptation in reptiles is

- (1) Lungs (2) Scales  
(3) Moist skin (4) Pentadactylous limbs

**Q.160** Dry skin with scales or scutes without gland is a characteristic of :

- (1) Fishes (2) Reptilia  
(3) Amphibia (4) Aves

**Q.161** Oviparous animal is :

- (1) Scoliodon (2) Viper  
(3) Scorpion (4) Cobra

**Q.162** Only poisonous Lizard of the world is :

- (1) Heloderma (2) Ophiosaurus  
(3) Phrynosoma (4) Hemidactylus

**Q.163** Which of the following is a non poisonous snake

- (1) Cobra (2) Python  
(3) Viper (4) Krait

**Q.164** Which of the following pair is **unmatched** for the animals of class **Reptilia**?

- (1) Temperature constant and external fertilisation  
(2) Sexes separate and lack of Metamorphosis  
(3) 12 pairs cranial nerves and skin rough  
(4) Skull monocondylic and skin with scales

**Q.165** Flying lizard is :

- (1) Chameleon (2) Draco  
(3) Exocetus (4) Varanus

**Q.166** Egg are covered by leathery shell in :

- (1) Birds (2) Amphibians  
(3) Snakes (4) Prototherians

**Q.167** The glass snake is a :

- (1) Limb less amphibian  
(2) Limbless lizard  
(3) White snake  
(4) Limbless fish

### CLASS – AVES

**Q.168** Which is not found in birds ?

- (1) Pectoral girdle (2) Pelvic girdle  
(3) Hind limbs (4) Fore limbs

**Q.169** Which is not aerial adaptation of Birds ?

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

**Q.170** Feathers of birds are modified :

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

**Q.171** Which of the following characters is **not** related to **Aves** ?

- (1) Homeothermy and presence of oil glands in the tail region

- (2) Female genital organs of both sides functional
- (3) Female genital organs of one side functional
- (4) Exoskeleton of feathers

**Q.172** Hollow air filled bones (pneumatic bones) occur in:

- (1) Mammals                      (2) Reptiles
- (3) Bony fishes                (4) Aves

**Q.173** Which bird had teeth in its beak?

- (1) Kiwi                              (2) Ostrich
- (3) Dodo                            (4) Archaeopteryx

**Q.174** Mostly birds are :

- (1) Uricotelic and oviparous
- (2) Uricotelic and viviparous
- (3) Ammonotelic and oviparous
- (4) Uricotelic and ovoviviparous

**Q.175** Characteristic of birds 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

**Q.176** Which of the following is a "Lizard- bird":

- (1) Archaeopteryx      (2) Struthio
- (3) Aptenodytes ★      (4) Humming bird

**Q.177** Which of the following features is **not** found in Aves ?

- (1) Preen glands on tail
- (2) Crop and a gizzard
- (3) Air cavities in bones
- (4) Teeth inside the beak

**Q.178** Birds differ from reptiles in which one of the following character :

- (1) Skin has scales
- (2) They lay eggs
- (3) There are vertebrates
- (4) There is regulation of body temperature

#### CLASS- MAMMALIA

**Q.179** The early stage human embryo distinctly possesses:

- (1) Gills
- (2) Gill slits

- (3) External ear (pinna)
- (4) Eye brows

**Q.180** Whales are included in the same taxonomic class?

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

**Q.181** Hair are not found in adult whale, its body temperature is regulated by :

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

**Q.182** 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

**Q.183** The primitive characters of Duck billed platypus suggest that it :

- (1) Is a degenerated mammal
- (2) Shows the stage between aves and mammals
- (3) Shows the stage between reptiles and birds
- (4) Shows the stage between reptiles and mammals

**Q.184** Find out correct statement:

- (1) All birds can fly
- (2) All snakes are poisonous
- (3) All amphibians are Poikilothermic
- (4) All mammals are viviparous

**Q.185** Exclusive pulmonary respiration is found in :

- (1) Amphibians and mammals
- (2) Amphibians and reptiles
- (3) Mammals and reptiles
- (4) Birds and mammals

**Q.186** Which of the following animal has poison glands?

- (1) Male platypus                      (2) Female lizard
- (3) Male rabbit                        (4) Male rat

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**Q.187** External ear pinna is found in:

- |                |             |
|----------------|-------------|
| (1) Reptiles   | (2) Mammals |
| (3) Amphibians | (4) Fishes  |

**Q.188** Respiratory organs of whale are:

- |                |           |
|----------------|-----------|
| (1) Book lungs | (2) Lungs |
| (3) Gills      | (4) Skin  |

**Q.189** Corpus callosum is found in:

- |                |             |
|----------------|-------------|
| (1) Reptiles   | (2) Aves    |
| (3) Amphibians | (4) Mammals |

**Q.190** One of the following is a very unique feature of the mammalian body:

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





# ANSWER KEY

## TOPIC WISE QUESTIONS

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	4	4	2	2	2	1	2	4	2	4	1	3	2	2	1
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	1	4	2	1	2	4	2	1	3	2	3	3	3	2	3
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	1	2	2	4	2	2	1	4	2	3	3	3	2	2	1
Que.	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
Ans.	1	4	1	2	3	1	1	4	4	4	3	1	1	1	4
Que.	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
Ans.	2	2	1	2	2	2	4	4	1	4	3	4	4	2	1
Que.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
Ans.	2	3	1	1	3	3	4	2	1	1	1	4	3	2	2
Que.	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
Ans.	4	4	1	3	3	4	2	1	2	3	4	3	1	1	2
Que.	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
Ans.	2	1	2	1	3	1	2	4	3	3	4	4	2	1	4
Que.	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
Ans.	4	1	2	4	1	4	4	4	1	3	2	1	1	3	1
Que.	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
Ans.	2	2	4	3	4	4	2	2	1	1	3	2	4	3	2
Que.	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
Ans.	1	3	2	3	1	3	4	2	1	2	4	1	2	1	2
Que.	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Ans.	2	2	4	3	1	2	4	4	1	3	1	4	4	2	4
Que.	181	182	183	184	185	186	187	188	189	190					
Ans.	2	2	4	3	4	1	2	2	4	1					

