

SEMESTER—ONE**BIOLOGY****Class XII****Student Name:****Date:****Period—I : Topic 1****CHORDATA : AVES (BIRDS) AND MAMMALS****Multiple Choice Questions**

Select and write one most appropriate option out of the four options given for each of the questions 1 – 5.

1. All mammals without an exception are characterised by
 - (a) Vivipary and biconcave RBC
 - (b) Extra abdominal testes and four chambered heart
 - (c) Heterodont teeth and twelve pairs of cranial nerves
 - (d) A muscular diaphragm and milk producing glands.
2. Which one of the following sets of animals share a four chambered heart?
 - (a) Amphibian, Reptiles, Birds
 - (b) Crocodiles, Birds, Mammals
 - (c) Crocodiles, Lizards, Turtles
 - (d) Lizards, Mammals, Birds.
3. Birds and mammals share one of the following characteristics as a common feature.
 - (a) Pigmented skin
 - (b) Alimentary canal with some modification
 - (c) Viviparity
 - (d) Warm blooded nature.

4. Which one of the following sets of animals belong to a single taxonomic group?
- Cuttlefish, Jellyfish, Silverfish, Dogfish, Starfish
 - Bat, Pigeon, Butterfly
 - Monkey, Chimpanzee, Man
 - Silkworm, Tapeworm, Earthworm.
5. Frogs differ from humans in possessing
- nucleated red blood cells.
 - thyroid as well as parathyroid
 - paired cerebral hemispheres
 - hepatic portal system.

Fill in the Blanks

Fill in the blanks with a suitable word for each of the questions 1 – 5.

- The only skin gland in birds is on the
- Birds wings are modified
- Only have true salivary glands.
- Body heat is conserved by in birds and by in mammals.
- Fertilisation results in the formation of zygote.

True or False

State whether the following statements are true or false for each of the questions 1–5.

- Scoliodon has swim bladder.
- Ostrich is a flightless bird.
- Archaeopteryx* is a living bird.
- The cuckoo builds a fancy nest.
- Apes have tail.

Theoretical Questions

Answer each of the questions 1 – 5.

- Mention two modifications in reptiles required for terrestrial mode of life.

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2. Mention one example each for animals with chitinous exoskeleton and those covered by a calcareous shell.

3. Discuss the adaptations, which the reptiles show for terrestrial habit.

4. Explain how birds are adapted to aerial mode of life ?

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5. Name at least five invertebrates belonging to different groups which are of economic importance to man.
