

31. Which of the following is most unique character of mammals and is without any exception?
- (1) They are viviparous (2) Presence of external ears or pinnae
 (3) Presence of mammary glands (4) Presence of seven cervical vertebrae
32. Which of the following mammal is oviparous?
- (1) *Macropus* (2) *Pteropus*
 (3) *Ornithorhynchus* (4) *Delphinus*
33. All mammals, without any exception, are characterised by
- (1) Biconcave red blood cells
 (2) Extra-abdominal testes and four chambered heart
 (3) Heterodont teeth and twelve pairs of cranial nerves
 (4) A muscular diaphragm
34. Besides bats, echolocation sonar mechanism also occurs in
- (1) Primates (2) *Felis* (cat)
 (3) Whales and dolphins (4) *Macropus* (Kangaroo)
35. *Pteropus* (flying fox), belongs to the order
- (1) Chiroptera (2) Lagomorpha
 (3) Cetacea (4) Rodentia
36. The character which differentiates mammals from birds is
- (1) Seven cervical vertebrae in neck (2) Parental care
 (3) One aortic arch (4) Metanephric kidney
37. Which of the following mammals have intra-abdominal testes?
- (1) *Panthera tigris*, *Canis*, *Macaca* (2) *Elephas*, *Delphinus*, *Ornithorhynchus*
 (3) *Equus*, *Rattus*, *Felis* (4) *Pteropus*, *Camelus*, *Felis*
38. A mammal in which milk is squirted down to the throat of body by muscular contraction of thorax of mother is
- (1) *Balaenoptera* (Blue whale) (2) *Elephas* (Elephant)
 (3) *Pteropus* (Flying fox) (4) *Macropus* (Kangaroo)
39. The most primitive mammals are found in
- (1) Africa (2) Asia
 (3) Australia and Tasmania (4) America
40. Duck billed platypus is a connecting link between
- (1) Reptiles and mammals
 (2) Reptiles and birds
 (3) Fishes and amphibians
 (4) Amphibians and reptiles

1. Which type of circulatory system is shown by Urochordates?

- (1) Open (2) Closed
(3) Heart is absent (4) Alternates with every generation

[Hint : This is exception to the circulatory system in chordata phylum.]

2. Urochordata or tunicata is

- (1) Phylum
(2) Sub-group
(3) Sub-phylum
(4) Class

[Hint : It comes under chordata.]

3. *Chondrichthyes* commonly show _____.

- (1) Viviparity
- (2) Oviparity
- (3) Hermaphroditism
- (4) Show asexual mode of reproduction

[Hint : Give directly birth to young ones.]

4. Type of fertilisation in *Chondrichthyes* and *Osteichthyes* is _____.

- (1) External and internal respectively
- (2) Internal and external respectively
- (3) Internal only
- (4) External only

5. Amphibians show _____ fertilisation and are _____.

(1) Internal and oviparous

(2) Internal and viviparous

(3) External and oviparous

(4) External and viviparous

[Hint : It occurs in water.]

6. Which of the following statements are true about amphibians?

a. They are cold-blooded

b. Respiration occurs through gills, skin and lungs

c. They are poikilotherms

d. Respiration occurs only through gills and skin

(1) a & d

(2) c & d

(3) a, b & c

(4) a & c

[Hint : They cannot regulate their body temperature according to the environment.]

7. Connecting link between *Amphibia* and *Reptilia* is

(1) *Seymouria*

(2) *Ophiosaurus*

(3) *Testudo*

(4) *Chelone*

[Hint : Rest all three are reptiles.]

8. Which among them is not the characteristic of turtle?

(1) They are oviparous

(2) They are terrestrial

(3) Sexes are separate

(4) Heart is three-chambered

[Hint : Forelimbs and hindlimbs are modified into paddles.]

9. Which of the following is not a character of Aves?
- (1) The forelimbs are modified into wings
 - (2) The hindlimbs generally have scales and the long bones are pneumatic
 - (3) Skin is dry without glands except the oil gland at the base of the tail
 - (4) They are oviparous and have external fertilisation
10. Digestive tract with additional chamber crop and gizzard is a feature of
- (1) *Columba*
 - (2) *Hemidactylus*
 - (3) *Calotes*
 - (4) *Exocoetus*

11. Name the order to which man belongs.

- (1) Primata
- (2) Chiroptera
- (3) Cetacea
- (4) Carnivora

12. All of these are exclusive characteristic of mammals, **except**

- (1) They are homiothermous
- (2) Skin has scales and hairs
- (3) Respiration is by lungs
- (4) Fertilisation is internal