



Competitive Exams: Zoology MCQs (Practice_Test 65 of 112)

Get top class preparation for IEO right from your home: **fully solved questions with step-by-step explanation**- practice your way to success.

1. Consider the following statements regarding the chambers of the stomach namely rumen, reticulum, omasum and abomasums of ruminants:
 - a. All these chambers are present in all the ruminants.
 - b. One of these chambers may not be present in some ruminants.
 - c. 'Water cells' are present in rumen or reticulum.
 - d. 'Water cells' are present in both rumen and reticulum.

Of these statements

- a. 1 and 3 are correct
 - b. 2 and 3 are correct
 - c. 2 and 4 are correct
 - d. 1 and 4 are correct
2. 'Red gland' in the anterior chamber of swim bladder in physoclistous fishes serves as
 - a. The site where hemoglobin is produced
 - b. The place wherefrom oxygen is produced
 - c. An organ where oxygen is absorbed.
 - d. A hydrostatic organ
3. In the longitudinal section of a mammalian kidney
 - a. Inner ink-red part called cortex and outer paler region termed medulla can be seen
 - b. Outer dark red part called cortex and inner paler region termed medulla can be seen
 - c. Bowman's capsules lying in the medulla can be seen
 - d. Cortex and medulla are indistinguishable
4. Testes may be
 - a. Intraabdominal

- b. Withdrawn. After breeding season, into the body cavity, OR
- c. Permanently retained in the scrotum. 3

Examples of these conditions of the testes listed at 1, 2 and are to be found in. 1 2 3

- a. Chiroptera Monotremata Primates
- b. Metatheria Chiroptera Most carnivores
- c. Monotremata Chiroptera Primates
- d. Metatheria Some carnivores

Primates

5. Consider the following statements:

- a. Gray matter surrounds the white matter in the brain.
- b. Gray matter surrounds the gray matter in the spinal cord.
- c. White matter surrounds the gray matter in the spinal cord.
- d. White matter surrounds the gray matter in the brain.

Of these statements

- a. 2 alone is correct
- b. 1 and 3 are correct
- c. 1 and 4 are correct
- d. 4 alone is correct

6. Choroid, besides pigments, includes tapetum lucidum which may act as

- a. Dark adaptation device OR
- b. Light reflecting device and is found in
- c. nocturnal terrestrial animals, elasmobranches and fishes living in deep water OR
- d. Limbless amphibians and all fishes.

The correct combination of functions of tapetum lucidum and the groups in which it is found, is

- a. 1 and 3
- b. 2 and 3

c. 2 and 4

d. 1 and 4

7. Cochlea is divided into three chambers or spaces:

a. Scala vestibule

b. Scala media

c. Scala tympani

Basilar membrane and Reissner's membrane are respectively found between

a. 1 and 3 and 1 and 2

b. 1 and 2 and 2 and 3

c. 2 and 3 and 1 and 3

d. 2 and 3 and 1 and 2

8. Can the wing of Draco be homologized with that of bats?

a. Yes, because both have membranes of skin.

b. No, because membranes in Draco are supported by greatly lengthened six pairs of ribs and in bat by the arms, greatly elongated 2nd through 5th fingers, hind limbs and usually all or part of the tail.

c. Yes, because wings of both of them can be folded and expanded according to the need.

d. No, because the wing of Draco is used for gliding while that of bat is used for flying.

9. Electric organs of fishes are highly modified masses of

a. Nerve cells

b. Muscle cells

c. Elastic fibres

d. White fibres

10. The body movements of fishes are brought about by alternate expansion and contraction of myotomes. The paired fins, dorsal fin and anal fin are associated with locomotion or movement of fish. Which one of the following sets correctly indicates the part played by the fins during rapid swimming of fishes? Paired fins Dorsal and anal fins

- a. For balancing so that the fish remains in position From keel which can be lowered or raised as per needs to give stability to the body
- b. For balancing For balancing and to give stability to the body
- c. Act as keel to give stability to the body For balancing
- d. For balancing and giving stability to the body

To raise or lower the body as per needs

11. The largest and the most powerful adductor muscle in flying bird is the
 - a. Coracobrachialis longus
 - b. Pectoralis major
 - c. Pectoralis minor
 - d. Tensor longus
12. Which one of the following plots best represents the relationship between the velocity of an enzyme catalyzed reaction (v) and substrate concentration (S)?
13. Which of the following pairs are correctly matched?
 - a. Poikilosmotic—Animals show osmotic dependence with respect to the environment
 - b. Homoismotic Animals maintain body fluid concentrations constant irrespective of fluctuations in the environmental concentrations. _____
 - c. Euryhaline—Animals withstand aquatic media of a wide range of concentrations.
 - d. Stenohaline—Animals survive within a wide rang of salinities.

Select the correct answer using the codes given below:

Codes:

- a. 2, 3 and 4
 - b. 1, 2 and 4
 - c. 1, 3 and 4
 - d. 1, 2 and 3
14. Match List I with List II and select the correct answer using the codes given below the lists:

List-I

List-II

- a. Dehydration
- b. Antidiuretuc
- c. Reabsorption of Na in the kindeny
- d. Water diuresis

- a. Aldosterone
- b. Osmoreceptor
- c. Blood hyperosmotic urine
- d. Blood hyposmotic urine

A B C D

a. 4 1 2 3

b. 3 4 5 1

c. 4 1 2 5

d. 3 4 1 5

15. Consider the following components:

- a. NM
- b. FAD
- c. Cytochrome B
- d. Cytochrome C
- e. Cytochrome A
- f. Cytochrome A₃

The correct sequence of the arrangement of these components in. Electron transport system is

- a. 1, 2, 5, 3, 4, 6
- b. 1, 2, 3, 4, 5, 6
- c. 1, 2, 5, 4, 3, 6
- d. 1, 2, 3, 5, 4, 6