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Competitive Exams: Zoology MCQs (Practice_Test 61 of 112)

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1. What are amphids found in Ascaris?
 - a. Mechanoreceptors
 - b. Olfactory chemoreceptors
 - c. Copulatory organs
 - d. Ejaculatory ducts
2. Which one of the following anatomical features is not found in Taenia solium?
 - a. Flame cells
 - b. Vas deferens
 - c. Ootype
 - d. Laurer's canal
3. The cephalothoracic appendages of Buthus consist of:
 - a. 2 pairs of chelicerae, 2 pairs of pedipalpi, 2 pairs of walking legs
 - b. 1 pair of chelicerae, 1 pair of pedipalpi, 3 pairs of walking legs
 - c. 1 pair of chelicerae, 2 pairs of pedipalpi, 4 pairs of walking legs
 - d. 1 pair of chelicerae, 1 pair of pedipalpi, 4 pairs of walking legs
4. Consider the following:
 - a. Epidermis
 - b. Gills
 - c. Papulae
 - d. Tube feet

Which of the above are the respiratory organs of Asterias?

- a. I and 2 only
- b. 3 and 4 only
- c. 2,3 and 4 only
- d. 1,2, 3 and 4

5. Consider the following statements:

- a. In Balanoglossus, goblet cells secrete amylase.
- b. In Balanoglossus, the mouth remains open constantly.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

6. With reference to fishes, consider the following characteristics

- a. Cartilaginous endoskeleton
- b. Heterocercal tail
- c. Presence of placoid scale
- d. Absence of operculum

Which one of the following fishes has all the above characteristics?

- a. Cat fish
- b. Dog fish
- c. Lung fish
- d. Flying fish

7. Match List-I with List-II and select the correct answer using the code given below the lists:

List-I	List-II
A. Alar process	1. Hyoid apparatus of Columba
B. Entoglossal process	2. Hyoid apparatus of Rana
C. Urohyal	3. Hyoid apparatus of Oryctolagus
D. Thyrohyal	4. Hyoid apparatus of Calotes

A B C D

- a. 2 1 4 3
- b. 2 4 1 3
- c. 3 1 4 2
- d. 3 4 1 2

8. With reference to gastrulation in chick, consider the following statements

- a. In the gastrulation of chick, there is neither invagination nor archenteron.
- b. The place of origin of endoderm is anterior part of the blastoderm.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

9. Lactate produced by glycolysis in hypoxic muscle cells is transported via the blood to the liver. There lactate is converted to glucose and then released into the blood.

What is this process called?

- a. HMP-Shunt
- b. Con cycle
- c. Ornithine cycle
- d. Glucose-alanine cycle

10. With reference to the embryonic development of vertebrates, consider the following statements

- a. In the chick, the amnion and chorion have no blood vessels.
- b. There is almost no yolk in mammalian eggs and therefore their embryos have no yolk sac.

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only

- c. Both 1 and 2
- d. Neither 1 nor 2

11. With reference to sperms and ova of vertebrates, consider the following statements
- a. In the spermatozoon, the middle piece containing nucleus and the tail contains mitochondrion.
 - b. The mature ovum contains a centriole which later helps the zygote in its division.

Which of the statements given above is/are correct?

- a. 1 only
 - b. 2 only
 - c. Both 1 and 2
 - d. Neither 1 nor 2
12. Which one of the following is the correct statements? Cortical reaction of egg during fertilization is necessary to
- a. inhibit polyspermy and solubilize the egg membranes
 - b. inhibit polyspermy and harden the egg membranes
 - c. solubilize the egg membranes
 - d. allow polyspermy and harden the egg membranes

13. Consider the following statements
- a. The double bonds of polyunsaturated fatty acids are almost never conjugated but are separated by methylene group.
 - b. In nearly all naturally occurring unsaturated fatty acids, the double bonds are in the cis configuration.

Which of the statements given above is/are correct?

- a. 1 only
 - b. 2 only
 - c. Both 1 and 2
 - d. Neither 1 nor 2
14. Consider the following statements:
- a. Proteoglycans are major components of connective tissue.
 - b. Glycoproteins of the plasma membrane form specific sites for recognition

Which of the statements given above is/are correct?

- a. 1 only
- b. 2 only
- c. Both 1 and 2
- d. Neither 1 nor 2

15. What is the role of Oxygen in cellular respiration?

- a. It is the final electron acceptor in the respiratory chain
- b. It combines with glucose and oxidises it
- c. It clears lactic acid load
- d. It is utilised in the conversion step of

ADP to ATP

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