

Examrace

Competitive Exams: Zoology MCQs (Practice_Test 63 of 112)

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1. Which one of the following represents the correct sequence of taxa showing the systematic position of Oikopleura?
 - a. Urochordata-Thalassia-Doliolida
 - b. Tunicata-Larvacea-Endostylophora
 - c. Tunicata-Thalassia-Polystylophora
 - d. Urochordata-Ascidiacea-Enterogona

2. With reference to mammals, consider the following characteristics
 - a. Vertebrae without epiphyses
 - b. Reduced coracoid
 - c. No cervical ribs

Which of the above is/are the characteristics of Macropus?

- a. 1 and 2 only
 - b. 2 and 3 only
 - c. 3 only
 - d. 1, 2 and 3
3. Consider the following statements:
 - a. In Asteroidea, respiration is by papulae.
 - b. In Echinoidea, ambulacral grooves are absent.

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
4. Consider the following animal characteristics

- a. Buccal cavity contains an odontophore with a radula bearing rows of chitinous teeth.
- b. Head distinct bearing tentacles, eyes and mouth.
- c. Circulatory system is open and the heart is enclosed in a pericardium.

Which of the above is/are the characteristics found in class Gastropoda?

- a. 1 and 2 only
 - b. 2 only
 - c. 1 and 3 only
 - d. 1, 2 and 3
5. What are the lateral line neuromasts?
- a. Olfactoreceptors
 - b. Photoreceptors
 - c. Rheoreceptors
 - d. Gustatoreceptors
6. Match List-I with List-II and select the correct answer using the code given below the lists

List-I (Characters)	List-II (Arthropod group)
A. Exclusively aquatic, all marine, antennae absent, telson present, respiration by gills or branchiae	1. Class Arachnida
B. Mandibles present, three pairs of legs, abdomen devoid of appendages, salivary glands usually present	2. Class Merostornata
C. Chelicerae present, antennae absent, book-lung present	3. Class insecta

A B C

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

7. Consider the following statements:

- a. Archiannelida are exclusively freshwater forms.
- b. Oligochaeta are mostly marine and a few terrestrial forms.

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

8. Consider the following statements:

- a. In Physalia, the pneumatophore has a pore through which gas can be let out to sink the colony.
- b. The fish Nomeus lives near the tentacles in a commensal relationship with Physalia.

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

List-I (Scientific name)	List-II (Common name)
A. Euplectella	1. Glass-rope sponge
B. Chalina	2. Crumb of bread sponge

C. Hyalonema	3. Venus'flower basket
D. Halichondria	4. Dead man's finger

A B C D

a. 3 4 1 2

b. 3 1 4 2

c. 2 4 1 3

d. 2 1 4 3

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

List-I (Protozoan)	List-II (Order)
A. Elphidium	1. Dinoflagellida
B. Giardia	2. Diplomonadida
C. Noctiluca	3. Foraminiferida
D. Paramecium	4. Hymenostomatida

A B C D

a. 3 1 2 4

b. 4 1 2 3

c. 3 2 1 4

d. 4 2 1 3

11. With reference to the structure of DNA, consider the following statements:

a. In the sugar component of DNA, the carbon of the carbonyl group occurring at one end of the chain form is numbered 1.

b. The nitrogen bases are attached to the 5-carbon of the sugar.

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. With reference to DNA structure as proposed by Watson and Crick, consider the following statements

- a. The double helix is left-handed.
- b. The bases of the two polynucleotides (of different strands) are attracted to each other by phosphodiester bonds.

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

13. In protein synthesis in E. Coil, when each amino acid is attached to a specific tRNA at the expense of ATP energy, the ion of which one of the following elements is used?

- a. Calcium
- b. Copper
- c. Magnesium
- d. Zinc

14. In the context of genetic code, consider the following statements

- a. Although an amino acid may have two or more codons, each codon specifies only one amino acid.
- b. Amino acid codons are identical in human beings, tobacco plants and viruses.

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. Consider the following statements

a. Mitochondrial DNA is entirely independent of nuclear DNA

b. Mitochondrial DNA codes for only respiratory enzymes found in mitochondria.

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

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