



## Competitive Exams: Zoology MCQs (Practice\_Test 91 of 112)

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1. The wobble hypothesis is based on the fact that the
  - a. number of t-RNA molecules is much less than 64, which happens to be the number of codons coding for various amino acids
  - b. three codons are responsible for initiating and terminating polypeptide chains
  - c. codon AUG codes for amino acid methionine, while it also initiates polypeptide chain
  - d. amino acid leucine is coded by as many as 6 codons
  
2. RNA can sometimes be copied into DNA. This process is facilitated by
  - a. ribozyme
  - b. RNA primase
  - c. reverse transcriptase
  - d. RNA polymerase
  
3. Which one of the following sub-processes does not take place during protein synthesis in Eukaryotes?
  - a. Translocation of m-RNA relative to ribosomes
  - b. Elongation
  - c. Methionine formylation
  - d. Termination
  
4. Which one of the following is a shelled protozoan?
  - a. Balantidium
  - b. Nyctotherus
  - c. Noctiluca
  - d. Elphidium

5. Assuming that the first sponges originated from protozoans, which of the following type (s) of protozoa may be responsible for the origin of sponges?
- A colonial flagellate.
  - A solitary amoeboid parasite.
  - A syncitial ciliate.
  - A colony of sporozoa

Select the correct answer using the codes given below:

- 2, 3 and 4
  - 1 alone
  - 2 and 3
  - 3 alone
6. Which one of the following orders of class Hydrozoa significant in having well represented medusoid generation, which can be with or without polypoid stage?
- Hydroida
  - Milliporina
  - Stylasterina
  - Trachylina
7. Mehl's glands are found in
- Planaria
  - Taenia
  - Ascaris
  - Nereis
8. The above diagram represents the top view of a developing egg at 8-cell stage of cleavage. Which one of the following groups of animals has this kind of cleavage?
- Platyhelminthes
  - Echinodermate
  - Ctenophora
  - Cnidaria

9. Filariasis is caused by

- a. Ancylostoma
- b. Ascaris
- c. Dracunculus
- d. Brugia

10. The above diagram is that of an early stage of a developing annelid. The space marked 'X' in the diagram represents

- a. a gastrovascular cavity
- b. an enterocoelous coelom
- c. a schizocoelous coelom
- d. an archenteron

11. Match List-I (Annelida) with List-II (their examples) and select the correct answer

List-I

List-II

- |                  |                  |
|------------------|------------------|
| a. Polychaeta    | a. Nereis        |
| b. Hirudinea     | b. Acanthobdella |
| c. Archiannelida | c. Polygordius   |
| d. Oligochaeta   | d. Pheretima     |

    A  B  C  D

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

12. Which one of the following insects is known to be primitively apterous?

- a. Pediculus
- b. Cimex
- c. Xenopsylla
- d. Lepisma

13. Match List-I with List-II and select the correct answer:

List-I

List-II

- |                    |                 |
|--------------------|-----------------|
| a. Sea slug        | a. Scaphopoda   |
| b. Greenhouse slug | b. Nudibranchia |
| c. Squids          | c. Pulmonata    |
| d. Tooth shells    | d. Cephalopoda  |

    A  B  C  D

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

14. Which one of the following pair is NOT correctly matched?

- a. Asteroidea—Asterias
- b. Echinoidea—Astropecten
- c. Holothuroidea—Cucumaria
- d. Crinoidea—Antedon

15. The type of palate in ducks is

- a. Aegithognathus
- b. Desmognathus
- c. Schizognathus
- d. Dromeognathus

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