

## Competitive Exams: Zoology MCQs (Practice-Test 38 of 112)

1. The blastomeres formed as a result of cleavage of fertilized egg, lack
  - a. G<sub>1</sub>-phase
  - b. S-phase
  - c. G<sub>2</sub>-phase
  - d. M-phase
  
2. A pregnant human female excretes
  - a. Progesterone
  - b. FSH
  - c. LH
  - d. HCG
  
3. Fructose 2, 6-bisphosphate stimulates glycolysis by activating
  - a. Phosphofructokinase-1
  - b. Pyruvate kinase
  - c. Hexokinase
  - d. Fructose 1 – 6 phosphatase
  
4. Consider the following statements:
  - a. Pheromones are external secretory products
  - b. Pheromones are species-specific

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

5. Gastric digestion is most important for

- a. Lipids
- b. Proteins
- c. Carbohydrates
- d. Minerals

6. Consider the following regions:

- a. Andaman and Nicobar Islands
- b. Western Ghats
- c. Uttar Pradesh
- d. North Eastern India
- e. West Bengal

In which of the above regions are tropical rain forests found?

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

7. The greatest amount of fat absorption occurs in the

- a. Stomach
- b. Duodenum
- c. Ileum
- d. Colon

8. Which one of the following enzymes is inhibited by glucose 6-phosphate?

- a. Glucokinase
- b. Phosphoglycerokinase
- c. Hexokinase
- d. Glucose 6-phosphatase

9. In Embden-Meyerh of pathway, what is the enzyme involved in the conversion of Glyceraldehyde-3-phosphate to 1- 3, diphosphoglyceric acid?
- Phosphoglucomutase
  - Phosphoglyceromutase
  - 3-phosphoglyceric 1-kinase
  - Phosphoglyceric dehydrogenase
10. Consider the following with reference to the mechanism of action of a steroidal hormone on target cell
- Bonding of activated complex with specific genomic site
  - Activation of transcriptional apparatus
  - Attachment with cytosolic receptor protein
  - Transportation of complex to the nucleus
  - Formation of new protein in the cytoplasm

What is the correct sequence of the above in said mechanism

- 1, 2, 3, 4, 5
  - 4, 1, 3, 2, 5
  - 2, 3, 1, 4, 5
  - 3, 4, 1, 2, 5
11. Which one of the following is the correct sequence of the evolution of modern man?
- Pithecanthropus, Sinanthropus, Neanderthal man, Homo sapiens, Cro-magnon man
  - Pithecanthropus, Sinanthropus, Neanderthal man, Cro-magnon man, Homo sapiens
  - Cro-magnon man, Neanderthal man, Pithecanthropus, Sinanthropus, Homo sapiens
  - Ramapithecus, Cro-magnon man

Pithecanthropus, Neanderthal man.

Homo sapiens

12. The ideal conditions for controlling insectpests is
- Low relative humidity arid high temperature

- b. High relative humidity and low temperature
- c. High relative humidity and high temperature
- d. Low relative humidity and low temperature

13. The only ape found in India is distributed in

- a. Western Ghats
- b. Western Himalayas
- c. Eastern coast of peninsular India
- d. North Eastern India

14. Which among the following, although not closely related taxonomically, occupy the overlapping niche when present in the grassland ecosystems?

- a. Cow, tiger and elephant
- b. Antelopes, lion and zebra
- c. Kangaroo, bison and cow
- d. Kangaroo, rat and monkey

15. Match List I (Zone) with List II (Feature) and select the correct answer:

List-I

List-II

- |                  |                                        |
|------------------|----------------------------------------|
| a. Neretic Zone  | a. Total darkness                      |
| b. Littoral Zone | b. Depth of 500 – 600 ft.              |
| c. Abyssal Zone  | c. Region between the high & low tides |
| d. Bathyal Zone  | d. Depths of 600 – 5000 ft.            |

**A B C D**

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a. 4 1 3 2

b. 2 1 3 4

c. 4 3 1 2

d. 2 3 1 4