

## Examrace

# Competitive Exams: Zoology MCQs (Practice\_Test 50 of 112)

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1. Consider the following:

- a. Two Lactate molecules
- b. Two Pyruvate molecules.
- c. Two ATP molecules
- d. Two NADH + 2H +

Which of the above are the end products of aerobic glycolysis?

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

2. If 38 molecules of ATP are produced in oxidation of one molecule of glucose, then how many FADH<sub>2</sub> molecules are produced during Krebs cycle in the context of one molecule of glucose?

- a. 2
- b. 4
- c. 6
- d. 36

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

| List-I (Substrate)      | List-II (Enzyme)           |
|-------------------------|----------------------------|
| A. 2 Phosphoglycerate   | 1. Phosphofructokinase     |
| B. Fructose-6-phosphate | 2. Pyruvate kinase         |
| C. Glucose-6-phosphate  | 3. Phosphohexose isomerase |
| D. Phosphoenolpyruvate  | 4. Glucokinase             |
|                         | 5. Enolase                 |

**A B C D**

a. 2 4 1 5

b. 2 1 3 5

c. 5 4 1 2

d. 5 1 3 2

4. What is the scientific name of endangered Brow-antlered deer?

a. *Cervus unicolor*

b. *Cervus eldi edldi*

c. *Cervus elephus*

d. *Cervus duvaucelii*

5. According to Version 3.1: IUCN (2001) Red List, a 'Threatened' category includes which species?

a. Extinct in wild (EW), Critically Endangered (CR) and Endangered (EN)

b. CR, EN and Vulnerable (VU)

c. Data Deficient (DD), Least Concern (LC) and EN

d. Not Evaluated (NE), DD and VU

6. Consider the following statements:

a. Wings of insects and birds are homologous organs

b. Wings of insects and bats are analogous organs

c. Wings of insects and birds are analogous organs

d. Wings of birds and bats are homologous organs

Which of the statements given above are correct?

a. 1 and 2 only

b. 2, 3 and 4

c. 1 and 4 only

d. 1, 2 and 4

7. Consider the following aquatic adaptations in animals

- a. Loss of pinna
- b. Loss of hind limb
- c. Presence of thick blubber
- d. Presence of swim bladder

Which of the above are observed in whales?

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

8. A sucker fish attached to the belly of shark gets a free ride and feeds on the left-overs from shark. What is this type of interspecific animal relationship called?

- a. Parasitism
- b. Commensalism
- c. Protocooperation
- d. Mutualism

9. The Anopheles mosquito, which is a temporary blood sucking parasite of man, is itself parasitized by Plasmodium. This is an example of which one of the following?

- a. Ectoparasitism
- b. Parasitoid
- c. Obligatory parasitism
- d. Hyperparasitism

10. Which of the following is one of the deep sea adaptations in animals?

- a. Laterally, compressed body
- b. Bio-luminiscence
- c. Streamlined body
- d. Light & spongy body

11. Who among the following is associated with the description of Y-shaped or 2-channel energy flow model applicable to both terrestrial and aquatic ecosystems?
- Hardin
  - Liebig
  - Odum
  - Shelford

12. Consider the following statements:
- In grassland ecosystem, the pyramid of biomass is upright in shape.
  - In pond ecosystem, the pyramid of biomass is inverted in shape.

Which of the statements given, above is/are correct?

- 1 only
  - 2 only
  - Both 1 and 2
  - Neither 1 nor 2
13. Species which occupy similar niches in different geographical regions are called which one of the following?
- Ecotypes
  - Ecological guilds
  - Ecological equivalents
  - Ecological determinates

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

| List-I  | List-II           |
|---|-------------------|
| A. Temperature affects size of animals                        | 1. Gieger's rule  |
| B. Temperature affects colouration of animals                 | 2. Jordan's rule  |
| C. Temperature affects size of extremities of certain animals | 3. Bergman's rule |
| D. Temperature affects number of vertebrae in certain fish    | 4. Alien's rule   |

**A B C D**

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a. 3 1 4 2

b. 3 4 1 2

c. 2 4 1 3

d. 2 1 4 3

15. Which one of the following types of placenta is found in monkeys?

a. Diffuse placenta

b. Bidiscoidal placenta

c. Discoidal placenta

d. Zonary placenta

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