

## Examrace

# Competitive Exams: Zoology MCQs (Practice\_Test 82 of 112)

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1. Compensation level in an aquatic ecosystem is the one where oxygen
  - a. And carbon dioxide are in equal proportion
  - b. Level is just sufficient to maintain producers
  - c. Level is just sufficient to maintain decomposers
  - d. Release in photosynthesis balances loss by respiration
2. When an animal population produces a substance harmful to a competing population, the interaction is known as
  - a. Allelopathy
  - b. Antibiosis
  - c. Pathogenesis
  - d. Interference
3. Consider the following desert adaptations:
  - a. Copious salivation and licking of body.
  - b. High tolerance to dehydration.
  - c. High storage capacity for water.
  - d. Fluctuating body temperature.

The set of adaptations relevant in the case of camel would include

- a. 1, 3 & 4
  - b. 1, 2 & 4
  - c. 1, 2 & 3
  - d. 2, 3 & 4
4. Consider the following statements: Desert animals tide over the extreme heat by
    - a. Adopting appropriate nocturnal habits.
    - b. Burrowing.

c. Adjusting their internal body temperature suitably

Of these statements

- a. 1 and 2 are correct
- b. 2 and 3 are correct
- c. 1 and 3 are correct
- d. 1, 2 and 3 are correct

5. The association between ungulates (such as cattle) and rumen bacteria is a wellknown example of

- a. Antibiosis
- b. Parasitism
- c. Obligate symbiosis
- d. Neutralism

6. Consider the following species:

- a. Sloth bear
- b. Musk deer
- c. Bison
- d. Black buck

The endangered species among these would include

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

7. Fruit flies emerge from pupal stage at dawn even after fifteen generations of flies reared under conditions of constant light. This is due to

- a. Diurnal endogenous rhythm
- b. Diurnal exogenous rhythm
- c. Lunar endogenous rhythm
- d. Lunar erogenous rhythm

8. Which one of the following is a group of major greenhouse gases?

- a. Carbon monoxide, methane, chlorofluoro carbons and, oxides of nitrogen
  - b. Carbon dioxide, oxides of nitrogen, ethane and chlorofluoro carbon
  - c. Carbon dioxide, methane, chlorofluoro carbons and oxides of nitrogen
  - d. Ethane, oxides of nitrogen, carbon monoxide and chlorofluoro carbons
9. The larvicidal fish used in the biocontrol of mosquitoes is
- a. Hilsa illisha
  - b. Scatophagus
  - c. Anabas
  - d. Gambusia
- o. Match List-I with List-II and select the correct answer

List-I	List-II
A. Tryporyza incertulus	1. Stem borer-Paddy
B. Emmalocera depressella	2. Root borer-Sugar cane
C. Heliothis armigera	3. Pod borer-Gram
D. Rhizopertha dominica	4. Lesser grain borer

**A B C D**

- a. 1 4 3 2
  - b. 1 3 2 4
  - c. 1 2 3 4
  - d. 4 3 2 1
11. Which one of the following pairs of proteins is present in the silk threads obtained from Bombyx marl?
- a. Sericin and keratin
  - b. Fibroin and gelatin
  - c. Sencin and fibroin

d. Sericin and resilin

12. Match List-1 with List-II and select the correct answer

List-I	List-II
A. Insects that eat and destroy plants and fruits	1. Tsetse flies and body lice
B. Insects that annoy and harm domestic animals	2. Weevils, beetles and termites
C. Insects that transmit diseases	3. Lice, warble flies and botflies
D. Insects that are destructive in the household	4. Grasshoppers, Chinch bugs and Hessian flies

**A B C D**

a. 3 4 2 1

b. 4 3 1 2

c. 4 3 2 1

d. 3 4 1 2

13. Which of the following insects are used in biological control as parasitoids?

a. Trichogramma

b. Trogoderma

c. Apanteles

d. Glossina

Which is correct?

a. 1, 2, 3 and 4

b. 2 and 3

c. 1, 2 and 4

d. 1 and 3

14. ◦ **Assertion (A):** The variability of genes in a gene pool is the raw material of evolutionary change.
- **Reason (R):** According to Hardy-Weinberg Law, the frequencies of particular genes and alleles tend to change.
- Both A and R are true and R is the correct explanation of A
  - Both A and R are true but R is NOT a correct explanation of A
  - A is true but R is false
  - A is false but R is true
15. ◦ **Assertion (A):** Adapted characters acquired by an organism are not inherited.
- **Reason (R):** They do not get sufficient time to be fixed at the genetic level.
- Both A and R are true and R is the correct explanation of A
  - Both A and R are true but R is NOT a correct explanation of A
  - A is true but R is false
  - A is false but R is true
16. ◦ **Assertion (A):** If cysteine attached to a particular tRNA is converted into alanine, this tRNA with the attached alanine will still go to the cysteine codon of the mRNA.
- **Reason (R):** The cysteine tRNA carrying alanine will go to the cysteine codon of the mRNA due to the interaction of tRNA with ribosome's.
- Both A and R are true and R is the correct explanation of A
  - Both A and R are true but R is NOT a correct explanation of A
  - A is true but R is false
  - A is false but R is true
17. ◦ **Assertion (A):** The DNA transcription machinery of eukaryotes is considerably more complex.
- **Reason (R):** The amount of genomic DNA in prokaryotes is much less than that in eukaryotes.
- Both A and R are true and R is the correct explanation of A
  - Both A and R are true but R is NOT a correct explanation of A
  - A is true but R is false
  - A is false but R is true

8. ◦ **Assertion (A):** The record of evolution of birds is sketchy.
- **Reason (R):** The pneumatic bones of birds make poor fossils.
- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is NOT a correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
19. ◦ **Assertion (A):** The pedicellariae of Asterias the dermal gills and keep the body surface free from any small animal interfering with respiration.
- **Reason (R):** Asterias lives on the floor of the sea bottom.
- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is NOT a correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true
20. ◦ **Assertion (A):** Leech has suctorial pharynx connected with the body-wall by radiating muscles.
- **Reason (R):** Leech is an annelid.
- a. Both A and R are true and R is the correct explanation of A
  - b. Both A and R are true but R is NOT a correct explanation of A
  - c. A is true but R is false
  - d. A is false but R is true