

Examrace: Downloaded from examrace.com

For solved question bank visit doorsteptutor.com and for free video lectures visit
[Examrace YouTube Channel](#)

Competitive Exams: Zoology MCQs (Practice_Test 8 of 112)

Get unlimited access to the best preparation resource for UGC : Get [full length tests using official NTA interface](#): all topics with exact weightage, real exam experience, detailed analytics, comparison and rankings, & questions with full solutions.

1. India is the lone producer of
 - a. tussar silk
 - b. muga silk
 - c. eri silk
 - d. mulberry silk
2. The sting of honey bee is considered to be of therapeutic value in
 - a. goitre and dermatitis
 - b. bradycardiac encephalitis
 - c. some forms of arthritis
 - d. spondylitis deformans
3. Which one of the following statements is correct? In pigeons
 - a. both inspiration and expiration are caused by the movement of pectoral muscles during flight
 - b. both inspiration and expiration are caused by the movement of pectoral muscles at the time of rest
 - c. inspiration is caused by the movement of abdominal
 - d. muscles and expiration by intercostal muscles at the time of rest inspiration is caused by the movement of intercostal muscles and expiration by abdominal muscles during flight
4. ◦ **Assertion (A)** : Mitosis increases the cell population and thus helps in the process of growth.
 - **Reason (R)** : In certain organisms mitosis helps in reproduction.

- 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 the correct explanation of A
 - c. A is true but R is false
 - d. A is false but R is true
5. ◦ **Assertion (A)** : In Echinodermata, the coelom is a multipurpose organ system.
- **Reason (R)** : The hydrocoel is capable of meeting the needs of respiration, nutrition, locomotion, sensory perception or a combination of these.
 - 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 the correct explanation of A
 - c. A is true but R is false
 - d. A is false but R is true
6. ◦ **Assertion (A)** : Sponges have an isolated phylogenetic position and are placed separately as parazoa.
- **Reason (R)** : Origin of sponges is uncertain and they differ from both protozoa and metazoa.
 - 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 the correct explanation of A
 - c. A is true but R is false
 - d. A is false but R is true
7. ◦ **Assertion (A)** : Sycon is capable of considerable regeneration, even from a single cell.
- **Reason (R)** : There is totipotency of cellular units in this animal.
 - 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 the correct explanation of A
 - c. A is true but R is false
 - d. A is false but R is true
8. ◦ **Assertion (A)** : Some of the sperms produced by the testes of Pila are incapable of fertilizing ova and are nonmotile.
- **Reason (R)** : Eupyrene types of sperms are non-energetic.
 - 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
9. ◦ **Assertion (A)** : The Kolliker's pit in adult Amphioxus is a pocket of ciliated ectoderm cells and marks the position of neuropore.
- **Reason (R)** : The Kolliker's pit has no specialized sensory cells nor does it have any connection with brain.
- 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
10. ◦ **Assertion (A)** : Scoliodon is capable of maintaining orientation and equilibration with regard to gravity while swimming.
- **Reason (R)** : The neuromast organs of Scoliodon consist of lateral line receptors and pit organs.
- 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
11. ◦ **Assertion (A)** : Out of the two types of glucose phosphorylating enzymes, hexokinase is physiologically more important in controlling blood glucose level.
- **Reason (R)** : Glucokinase, the other phosphorylating enzyme, phosphorylates only D-glucose and has a much higher K_m for D-glucose.
- 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
12. ◦ **Assertion (A)** : The synthesis (anabolism) and degradation (catabolism) of protoplasm deals largely with protein metabolism.
- **Reason (R)** : Proteins generally form the major constituent of living matter.
- 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
13. ◦ **Assertion (A)** : In starvation and diabetes, the concentration of free fatty acids (FFA) in the blood increases.
- **Reason (R)** : The fatty acids circulate in blood in combination with plasma albumin.
- 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
14. ◦ **Assertion (A)** : In spite of sufficient insulin being secreted by the islets of Langerhans, diabetes mellitus may strike an individual.
- **Reason (R)** : The number of insulin receptors on the target cells decreases due to a negative feedback mechanism.
- 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true
15. ◦ **Assertion (A)** : In metamorphosing tadpole of frog, the tail material is gradually accumulated in the body region and thus helps in disappearance of the tail.
- **Reason (R)** : Lysosomes become highly active in the tail region of tadpole.
- 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 the correct explanation of A
- c. A is true but R is false
- d. A is false but R is true