

Examrace

Competitive Exams: Zoology MCQs (Practice_Test 89 of 112)

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1. ◦ **Assertion (A):** Cuticle of *Ascaris* is well developed in structure and chemical organization.
 - **Reason (R):** The parasite has to protect itself from the injurious effects of the host's chyme.
 - 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
2. ◦ **Assertion (A):** *Hirudo medicinalis* sucks blood from different vertebrates.
 - **Reason (R):** Its buccal cavity includes three jaws.
 - 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
3. ◦ **Assertion (A):** In *Herdmania*, the testis is provided with vascular ampullae.
 - **Reason (R):** These structures serve as means of excretion of waste products of the body.
 - 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
4. ◦ **Assertion (A):** *Anguilla anguilla* can travel on damp grass.
 - **Reason (R):** *Anguilla anguilla* has vascular areas in the skin and its opercular openings are very small so that it retains water in the branchial chamber during its journey on land.
 - 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
5. ◦ **Assertion (A):** In Amniota there are twelve pairs of cranial nerves instead of ten.
- **Reason (R):** Amniotas have two additional segments in the head region.
 - 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
6. ◦ **Assertion (A):** The eyes of nocturnal, cave and deep water animals have only rods in their retina.
- **Reason (R):** Rods detect differences in the intensity of light but do not discriminate finer details of objects.
 - 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
7. ◦ **Assertion (A):** In Branchiostoma, the origin of coelome is enterocoelic.
- **Reason (R):** In Branchiostoma, coelome is formed from the splitting of mesodermal sheet.
 - 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
8. ◦ **Assertion (A):** Cell movement during gastrula ion is called morphogenetic movement.
- **Reason (R):** Change of shape of embryo occurs by morphogenetic movement.
 - 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
9. ◦ **Assertion (A):** In the late embryonic stage of chick, the embryo still derives its nutrition from the yolk although the neck of the yolk sac is constricted.
- **Reason (R):** The omphalo-mesenteric vessels supply the nutrition to the developing embryo.
- 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
10. ◦ **Assertion (A):** Guinea worm can thrive only in the lymphatic tissue.
- **Reason (R):** Lymph is a fluid.
- 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
11. ◦ **Assertion (A):** Pyramid of number and biomass may be inverted but the pyramid of energy must always take an upright shape.
- **Reason (R):** Producer and consumer communities vary in their shape and size whereas the energy has to follow the second law of thermodynamics.
- 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
12. ◦ **Assertion (A):** Heterosis causes hybrid sterility in drosophila.
- **Reason (R):** Heterosis is an essential condition for the establishment of balanced polymorphism in Drosophila.
- 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

13. ◦ **Assertion (A):** In a diploid organism only the dominant mutations will show their effect immediately, the recessive mutations do not influence the traits immediately.
- **Reason (R):** The recessive mutants accumulate in the gene pool and once the recessive mutation has established in homozygous state it is exposed to natural selection.
- 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
14. ◦ **Assertion (A):** Flagellates are seen in the digestive tract of termites.
- **Reason (R):** Flagellates are internal parasites in termites.
- 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. Antigenicity of human erythrocyte membrane is due to
- Glycocalyx
 - Receptor proteins
 - Membrane-bound enzymes
 - Glycophorin