

Examrace

Competitive Exams: Zoology MCQs (Practice_Test 18 of 112)

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- Changes in the body form of some planktonic animals with seasonal change in temperature are grouped under
 - anamorphosis
 - cyclomorphosis
 - metamorphosis
 - heteromorphosis
- Which of the following fishes is NOT conducive to corn posite fish farming?
 - Cirrhinus mrigala
 - Labeo rohita
 - Catle catla
 - Mystus seenghala
- Assertion (A):** Prokaryote cells proliferate at a much more rapid rate than eukaryotes.
 - Reason (R):** In prokaryotes there is not condensation of the chromosomes, no spindle apparatus and they follow simple duplication and separation of DNA pattern.
 - Both A and R are true and R is the correct explanation of A
 - Both A and R are true but R is NOT the correct explanation of A
 - A is true but R is false
 - A is false but R is true
- Assertion (A):** Each gene can exist in a variety of different forms called alleles.
 - Reason (R):** Different alleles of the same gene arise by heritable changes (mutations) in the gene itself.
 - Both A and R are true and R is the correct explanation of A
 - Both A and R are true but R is NOT the correct explanation of A
 - A is true but R is false
 - A is false but R is true

5. ◦ **Assertion (A):** Pila produces two type of sperm, namely eupyrene and oligopyrene.
- **Reason (R):** Eupyrene sperm has XX chromosomes and can produce only female while oligopyrene sperm has XY chromosomes and can produce only male.
- 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):** Echinodermata and Hemichordata are both deuterostomes.
- **Reason (R):** During early development of these phyla, the blastopore becomes the mouth opening.
- 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):** Bryozoa is now divided into two separate phyla-Endoprocta and Ectoprocta.
- **Reason (R):** Though Endoprocta has some superficial similarities with Ectoprocta, the former is coelomate and the latter acoelomate.
- 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):** The 'killer' stains of Paramecium aurelia produce a toxic substance (paramecin) which kills the sensitive ones.
- **Reason (R):** Such 'killer' stains lack the kappa particles.
- 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 adults of echinoderms generally exhibit pentamerous radial symmetry.
- **Reason (R):** A unique ambulacral system is typically present in echinoderms.
 - 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):** Balanoglossus is not a chordate.
- **Reason (R):** The so-called notochord of Balanoglossus is only pre-oral extension of the gut.
 - 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):** In birds, the synsacrum is fused with the pelvic girdle.
- **Reason (R):** The synsacrum provides a rigid framework for perching.
 - 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 accidental leak of methyl isocyanate from a storage tank of a factory in Bhopal in 1980 killed more than 25, 000 people.
- **Reason (R):** In the factory, the safety scrubber chimneys, filled with the detoxifying solution failed to function.
 - 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):** After removal of parathyroids in lizards the blood calcium level rises rapidly.

- **Reason (R):** Parathyroids regulate the level of calcium in blood.
 - 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):** Linoleic acid and linolenic acid are essential polyunsaturated fatty acids.
 - **Reason (R):** Linoleic acid and linolenic acids are biosynthesized in human beings.
 - 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):** As a fuel, coal releases two-thirds more carbon dioxide per unit of energy than does gasoline.
 - **Reason (R):** Coal is largely carbon, whereas gasoline contains more hydrogen.
 - 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