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Competitive Exams: Zoology MCQs (Practice_Test 100 of 112)

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1. ◦ **Assertion (A)** : Parthenogenetically developed individual is haploid in nature.
 - **Reason (R)** : It develops from an egg without fertilization.
 - 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
2. ◦ **Assertion (A)** : The metamorphosis in Ascidian tadpole is considered retrogressive.
 - **Reason (R)** : In the process of metamorphosis gill openings are lost.
 - 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
3. ◦ **Assertion (A)** : When a beneficial mutation takes place it will always appear with increasing frequency in the next generation.
 - **Reason (R)** : Gene mutation is a chemical change in a single gene.
 - 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
4. Danielli and Davson proposed a model for arrangement of

- a. DNA and histones in chromatin
 - b. RNA and proteins in ribosomes
 - c. lipids and proteins in cell membrane
 - d. enzymes and coenzymes in mitochondria
5. Which one of the following aspects of image formation is affected by the wavelength of illumination in the optical microscope?
- a. Resolution
 - b. Magnification
 - c. Contrast
 - d. Clarity
6. The smallest measuring unit in Cytology is
- a. millimeter
 - b. millirnicron
 - c. angstrom
 - d. electron
7. Microvilli are specialized components of
- a. nuclear envelope
 - b. endoplasmic reticulum
 - c. intercellular cementing substance
 - d. plasma membrane
8. Which one of the following mechanisms is involved in muscle contraction?
- a. Induction of Ca^{2+} + activated ATP ase
 - b. Polarization of cell membrane
 - c. Transfer of electrons to NADH by ferredoxin
 - d. Formation of cyclic AMP by adenyl cyclase
9. Which one of the following organelles is rich in acid phosphatases?
- a. Lysosomes
 - b. Golgi complex
 - c. Rough endoplasmic reticulum
 - d. Nucleolus

10. The specific enzyme marker of the outer membrane of mitochondria is
 - a. succinate dehydrogenase
 - b. ATP synthetase
 - c. monoamine oxidase
 - d. malate dehydrogenase
11. Epinephrine is secreted by the cells. Of
 - a. anterior pituitary
 - b. adrenal
 - c. thyroid
 - d. gonads
12. One of the major events associated with amoeboid locomotion is
 - a. actin polymerization
 - b. activation of acetylcholinesterase
 - c. chromosome condensation
 - d. microfilament disruption
13. Polysomes are many
 - a. ribosomes attached to an individual messenger RNA
 - b. nucleosomes forming the chromatin structure
 - c. lysosomes fusing during phagocytosis
 - d. centrosomes clustering during mitotic division
14. An electrochemical proton gradient occurs membranes of
 - a. golgi cisternae
 - b. nuclear envelope
 - c. mitochondria
 - d. lysosomes
15. In cytosol, stacks of curved cisternae with associated tubules and secretory vesicles are identified as
 - a. centrioles
 - b. golgi complex
 - c. smooth endoplasmic reticulum

d. endosomes

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