

Examrace

Competitive Exams: Zoology MCQs (Practice_Test 106 of 112)

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1. Spermiogenesis is the transformation of
 - a. spermatogonium into primary spermatocyte
 - b. spermatogonium into functional spermatozoa
 - c. primary spermatocytes into secondary spermatocytes
 - d. spermatids into spermatozoa

2. In amphibia, the female specific protein vitellogenin is synthesised by
 - a. oocyte
 - b. uterus
 - c. liver
 - d. spleen

3. Match List I with List II and select the correct answer

List-I (Developmental processes)	List-II (Animal)
A. Parthenogenesis	1. Urochordates
B. Retogressive metamorphosis	2. Honeybee
C. Paedogenesis	3. Lepidopteran insect
D. Blastokinesis	4. Amphibia

A B C D

a. 2 1 4 3

b. 2 3 4 1

c. 1 2 3 4

d. 4 3 2 1

4. During the development of the frog, which one of the following sets of structures is derived from the endoderm?

a. Skin and skin glands

b. Pituitary and adrenal medulla

c. Trachea, lungs, liver and pancreas

d. Kidneys and their ducts

5. Match List I with List II and select the correct answer

List-I (Structures)	List-II (Origin)
A. Retina	1. Endodermal cells
B. Nephric tubules	2. Ectodermal cells
C. Pigment pattern of skin	3. Neural crest cells
D. Allarnois	4. Mesodermal cells

A B C D

a. 1 2 3 4

b. 4 3 2 1

c. 2 4 3 1

d. 3 4 1 2

6. The nucleus of Pander is a component of

a. frog's egg

- b. mammalian egg
 - c. hen's egg
 - d. reptilian egg
7. The correct sequence of appearance of the given structures during the development of CNS in any vertebrate is
- a. neural groove, neural plate, neural tube
 - b. neural plate, neural groove, neural tube
 - c. neural plate, neural tube, neural groove
 - d. neural groove, neural tube, neural plate
8. In Amphioxus, the coelom is formed by
- a. splitting of the lateral mesoderm
 - b. development of an additional mesodermal layer from the somatic mesoderm
 - c. spreading of the dorsal mesodermal somites
 - d. the formation of mesodermal pouches from the dorsolateral walls of the archenteron
9. Somatopleure is a double layered tissue consisting of
- a. somatic mesoderm and endoderm
 - b. somatic mesoderm and ectoderm
 - c. splanchnic mesoderm and endoderm
 - d. somatic mesoderm and splanchnic mesoderm
10. The mesoderm in chick embryo gives rise to all of the following organs except the
- a. heart
 - b. kidney
 - c. brain
 - d. skeleton
11. During cleavage, the cell division is very rapid. The daughter cells do not undergo any growth and the cells thus become gradually smaller in volume. Hence
- a. there is no growth in the volume of the embryo
 - b. the embryo grows in volume
 - c. the embryo becomes smaller in volume

d. the embryo remains static

12. The Mullerian duct in the female amniotes develops into

a. ureter

b. oviduct

c. uterus

d. seminal receptacle

13. Which of the following pairs are correctly matched?

a. Amnion 褰Vascularised fetal membrane

b. Chorion 褰Somatopleure in origin

c. Allantois 褰Organ of respiration

Codes:

a. 1,2 and 3

b. 1 and 2

c. 1 and 3

d. 2 and 3

14. Match List I with List II and select the correct answer

List-I	List-II
<p>A. Bat, insect, bird</p> <p>B. Porpoise, flying lemur, man</p> <p>C. Survival and vigorous multiplication of some bacteria when exposed to streptomycin</p>	<p>1. Natural selection</p> <p>2. Divergent evolution</p> <p>3. Spontaneous gene mutation</p> <p>4. Convergent evolution</p>

A B C

a. 1 2 3

b. 4 1 2

c. 3 4 1

d. 4 2 1

15. The evolution from as ingle ancestral species to a variety of forms that occupy different habitats is

a. adaptive radiation

b. discontinuous distribution

c. continuous distribution

d. adaptive convergence

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