

**Zoology-III SYBSc Sem-IV ATKT Online November 2020**

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1. \_\_\_ animals develop mouth opposite to balstopore (1 point)
  - eustomes
  - deuterostomes**
  - protostomes
  - pseudostomes
  
2. Area with heavy depostion of yolk is known as \_\_\_ pole (1 point)
  - horizontal
  - vertical
  - vegetal**
  - animal
  
3. \_\_\_ contains moderate amount of yolk (1 point)
  - macrolecithal
  - mesolecithal**
  - microlecithal
  - prolecithal
  
4. Eccentric distribution of yolk is known as \_\_\_ (1 point)
  - isolecithal
  - telolecithal**
  - macrolecithal
  - microlecithal
  
5. \_\_\_ is the special structure in sperm which contains proteolytic enzyme (1 point)
  - mitochondria
  - centriole
  - acrosome**
  - nucleus
  
6. \_\_\_ in mid piece of sperm enable the tail to perform locomotion (1 point)
  - centriole

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- golgi complex
  - ER
  - mitochondria**
7. When the cleavage furrow divides the eggs or blastomeres completely it called (1 point)  
\_\_\_ cleavage
- holoblastic**
  - meroblastic
  - heteroblastic
  - discoblastic
8. \_\_\_ starts obtaining nourishment from maternal tissue (1 point)
- spiculocyte
  - heptocyte
  - trophoblasts**
  - renocyte
9. \_\_\_ means incomplete division due to the presence of large amount of yolk (1 point)
- meroblastic**
  - holoblastic
  - spiral
  - horizontal
10. \_\_\_ plays important role in organogenesis (1 point)
- mid gut
  - blastopore
  - germ layers**
  - cavity
11. \_\_\_ are formed due to morphogenetic movements (1 point)
- blastocoel
  - blastula
  - archentron

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germ layer

12. Muscles, skeletal system and circulatory system are developed by \_\_\_ layer (1 point)

epithelium

mesoderm

ectoderm

endoderm

13. The layer of epithelial cells migrate inwards and forms a depression by \_\_\_ (1 point)

egression

epiboli

ingression

invagination

14. \_\_\_ node is observed in bird's gastrulation (1 point)

hensen

lycon

barr

long

15. Coelom works as skeletal system in \_\_\_ (1 point)

frog

bird

earth worm

snake

16. Coelom enclosed entirely by mesodermal layer on both sides is \_\_\_ (1 point)

schizo coelom

discocoelom

pseudocoelom

True coelom

17. Membrane which develop outside the embryo are known as \_\_\_ (1 point)

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extra embryonic membrane

intra embryonic membrane

inter embryonic membrane

ecto embryonic membrane

18. extra embryonic membrane is absent in \_\_\_\_ (1 point)

frog

snake

fishes

birds

19. \_\_\_\_ number of extra embryonic membrane combines in therians to form \_\_\_\_ (2 points)

3, placenta

2, yolk sac

4, gut

5, marsupium

20. \_\_\_\_ in placental mammals plays an important in forming placenta (2 points)

allatois

amion

allantois

yolk sac

21. cotyledonary placenta is in \_\_\_\_ (2 points)

cat

goat

elephant

horse

22. \_\_\_\_ type of placenta in eutherians (2 points)

cotyledonary

discoidal

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deciduous

zonary

23. \_\_\_ is formed in alecithal egg (2 points)

placenta

yolk sac

masupium

pouch

24. the fate of the organ is predetermined in future embryo, such eggs are known as (2 points)

—

microlecithal

mosaic

alcithal

macrolecithal

25. \_\_\_ is an animal egg with calcareous shell (2 points)

acleidoic

shellac

mantle

cleidoic