

MISSION M.B.BS

Date: 18/07/2022

Subject: ZOOLOGY

Topic : ANIMAL KINGDOM - L1

Class: Standard XI

Instructions:

A

1. Tube-within-a-tube body plan is present in
 - A. *Hydra*
 - B. tapeworm
 - C. *Ascaris*
 - D. sponges
2. If the body has a single cavity with only one opening to the outside, then it is called
 - A. cell aggregate body plan
 - B. blind sac body plan
 - C. tube-within-a-tube body plan
 - D. protostomeric body plan
3. Choanocytes form the lining of the para-gastral cavity in
 - A. jellyfish
 - B. sponges
 - C. flatworms
 - D. starfish

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4. Water current in *Leucosolenia* is produced by
 - A. archaeocytes
 - B. collencytes
 - C. choanocytes
 - D. pinacocytes
5. Bilaterally symmetrical animals can be divided into mirror images by
 - A. only a cut through the midline of its body from its anterior end to its posterior end
 - B. only a cut through the midline of its body from its dorsal to its ventral surface
 - C. any cut from its anterior end to its posterior end
 - D. any cut from its dorsal to its ventral surface
6. The evolution of an internal body cavity was important in the animal body design for which of the following body functions?
 - A. Circulation
 - B. Movement
 - C. Organ function
 - D. All of these
7. Mesoderm helps in the differentiation between
 - A. diploblastic and triploblastic animals
 - B. coelomates and acoelomates
 - C. acoelomates and pseudocoelomates
 - D. both a and b

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8. Porocytes are

- A. located in the body of flatworms and are excretory in function
- B. located in the body wall of sponge and regulates incoming water current
- C. located in the body of roundworms and are excretory in function
- D. located in the body of hydra and regulates the outgoing water current

9. Organism X has a cylindrical and curved body with thin walls. It is found attached by its siliceous roots to the bottom of the deep sea near the Philippines. The skeleton of X is a costly marriage gift in Japan. Identify X.

- A. *Sycon*
- B. *Euplectella*
- C. *Hydra*
- D. *Oniscus*

10. Choose the correct route of the flow of water inside a sponge.

- A. Ostia → Spongocoel → Osculum → Exterior
- B. Spongocoel → Ostia → Osculum → Exterior
- C. Osculum → Spongocoel → Ostia → Exterior
- D. Osculum → Ostia → Spongocoel → Exterior