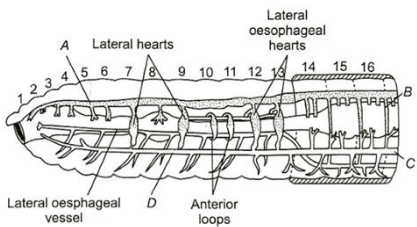


Class : XI<sup>th</sup>  
Date :

Subject : BIOLOGY  
DPP No. : 9

## Topic :- Structural Organisation in Animals

- In the digestive system of cockroach gastric caecae is present at the junction of
  - Mid gut and hind gut
  - Hind gut and fore gut
  - Fore gut and mouth
  - Mid gut and fore gut
- Areolar connective tissue joins
  - Fat body with muscles
  - Integument with muscles
  - Bones with muscles
  - Bone with bones
- In frog, the main function of the bile juices is
  - Emulsification of fat
  - Digestion of carbohydrate
  - Digestion of proteins
  - Metabolism of lipids
- The average diameter of red blood corpuscles of man is
  - 7.2  $\mu$  m
  - 8.1  $\mu$  m
  - 9.2  $\mu$  m
  - 10.3  $\mu$  m
- Observe the given figure of closed circulatory system of earthworm and identify *A, B, C* and *D*  

  - A-Ventral vessel, B-Subneural vessel, C-Commissural vessel, D-Dorsal vessel
  - A-Subneural vessel, B-Ventral vessel, C-Dorsal vessel, D-Commissural vessel
  - A-Dorsal vessel, B-Commissural vessel, C-Subneural vessel, D-Ventral vessel
  - A-Commissural vessel, B-Dorsal vessel, C-Ventral vessel, D-Subneural vessel
- Fibroblasts, macrophages and mast cells are seen in
  - Epithelial tissue
  - Connective tissue
  - Skeletal muscle tissue
  - Smooth muscle tissue

7. The female reproductive system of the cockroach consists of
  - a) Two large ovaries
  - b) Three large ovaries
  - c) One large ovaries
  - d) Four large ovaries
  
8. Which of the following tissue performs the function of linking and supporting other tissue of the body?
  - a) Epithelial tissue
  - b) Muscular tissue
  - c) Connective tissue
  - d) Nervous tissue
  
9. Which of the following nephridia is also called as enteronephric nephridia in earthworm?
  - a) Pharyngeral nephridia
  - b) Septal nephridia
  - c) Integumentary nephridia
  - d) Both (a) and (b)
  
10. The nymphs of cockroaches grows by moulting about..... times to reach the adult form
  - a) 6
  - b) 8
  - c) 10
  - d) 13
  
11. The respiratory system of the cockroach consists of
  - a) A pair of lungs
  - b) A pair of bronchioles
  - c) A network of trachea
  - d) A network of alveoli
  
12. Body of frog is divisible into
  - a) Head and abdomen
  - b) Head, neck, legs and arms
  - c) Head, neck and abdomen
  - d) Head and trunk
  
13. The blood does not clot inside the body because of
  - a) Oxygenation of blood
  - b) Movement of blood
  - c) Heparin in blood
  - d) Absence of fibrinogen in blood
  
14. *Pheretima* exhibit ..... type of blood vascular system
  - a) Portal
  - b) Closed
  - c) Open
  - d) Double circulatory
  
15. Cells, which help in the formation of bones are called
  - a) Chondroblasts
  - b) Osteolasts
  - c) Osteoblasts
  - d) Chondroclasts
  
16. Cockroach are
  - a) Omnivorous
  - b) Carnivorous
  - c) Herbivorous
  - d) Parasitic
  
17. Which tissue is present in the lining of small intestine?
  - a) Epithelial tissue
  - b) Connective tissue
  - c) Nervous tissue
  - d) Muscular tissue
  
18. Myoglobin is present in
  - a) All muscle fibres
  - b) White muscle fibres only
  - c) Red muscle fibres only
  - d) Both (b) and (c)

19. Which type of connective tissue produces antibodies?  
a) Mast cells                      b) Collagenous fibres                      c) Plasma cells                      d) None of these
20. In the head region of the cockroach, brain is represented by  
a) Supra-oesophageal ganglion                      b) Ganglia  
c) Nerve cord                      d) Sub oesophageal ganglion

PE