

## STRUCTURAL ORGANISATION IN ANIMALS / ANIMAL TISSUE / COCKROACH

1. Mark correct statements ?  
 (A) Tight junction facilitate to communicate cells with each other  
 (B) Columnar cells are found in the lining of stomach  
 (C) Ciliated epithelium is present in the inner surface of hollow organs.  
 (D) Compound epithelium has limited role in secretion.  
 (1) A, C, D                      (2) A, B  
 (3) B, C, D                      (4) B, D
2. In all connective tissues cells secrete fibre of structural protein except :  
 (1) Bone                      (2) Blood  
 (3) Cartilage                      (4) All of the above
3. Which of the following statements is wrong ?  
 (1) Intercellular material of cartilage is solid  
 (2) The bone cells are present in the lacunae  
 (3) Communication junctions are present in cardiac muscles  
 (4) Bone has pliable ground substance
4. Which one of the statements is not related with loose connective tissue ?  
 (1) Often serves as a support frame work for epithelium  
 (2) It contains fibroblast, macrophages and mast cell  
 (3) Fibres and fibroblast are compactly packed  
 (4) Cells of this tissue are also specialised to store fats.
5. Which one of the intercellular junction will check the flow of material from epithelial surface?  
 (1) Tight junction  
 (2) Desmosome  
 (3) Interdigitation  
 (4) Gap junction
6. When two or more organs perform a common function by their physical and chemical interaction, they form :  
 (1) Body system                      (2) Organ system  
 (3) Tissue system                      (4) None
7. Which tissue faces either a body fluid or the outside environment ?  
 (1) Epithelium tissue                      (2) Muscular tissue  
 (3) Connective tissue                      (4) Nervous tissue
8. Which tissue is associated with filtration and diffusion ?  
 (1) Simple squamous epithelium  
 (2) Simple cuboidal epithelium  
 (3) Simple columnar epithelium  
 (4) All of these
9. Which of the following contributes maximum part of our body weight?  
 (1) Epithelium tissue                      (2) Connective tissue  
 (3) Muscular tissue                      (4) Nervous tissue
10. How many pores in the body wall are found concerned with reproduction in *Pheretima* ?  
 (1) 11                      (2) 8  
 (3) 3                      (4) 2
11. What is the main function of prostomium in earthworm ?  
 (1) Digging the soil  
 (2) as a sensory organ  
 (3) Both (1) & (2)  
 (4) as a mouth
12. What is true for earthworm ?  
 (1) Cephalisation present  
 (2) Usually hermaphrodite and no free living larva stage  
 (3) Parapodia present  
 (4) Excretory organ malpighi tubules
13. What is the principal role of blood glands in earthworm ?  
 (1) Produce blood cells and haemoglobin  
 (2) Produce RBC  
 (3) In digestion  
 (4) In reproduction
14. In which part of earthworm chemoreceptors are found ?  
 (1) Buccal cavity                      (2) Gizzard  
 (3) Intestinal caecae                      (4) Stomach

- 15.** What is the function of spiracular nervous system in cockroach?
- (1) Regulate the activity of hindgut
  - (2) Regulate the activity of gonads
  - (3) Regulate the activity of foregut
  - (4) Control the activities of spiracles
- 16.** Function of Antennae in cockroach is :
- (1) Tactile and olfactory receptor
  - (2) Gustato receptor
  - (3) Auditory receptor
  - (4) Olfactory receptor
- 17.** In cockroach stink gland is found in ?
- (1) 4th and 5th terga
  - (2) 5th and 6th terga
  - (3) 5th and 6th sterna
  - (4) 4th and 5th sterna
- 18.** Male and female cockroach differ due to presence or absence of which structure ?
- (1) Anal cerci and anal style
  - (2) Anal cerci
  - (3) Anal style
  - (4) Anal setae
- 19.** Which structure is absent in male cockroach ?
- (1) Labium
  - (2) Phallomeres
  - (3) Spermatheca
  - (4) None of these

### ANSWERS KEY

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Ans.	3	2	4	3	1	2	1	1	3	1	3	2	1	1	4	1	2	3	3	