

BIOLOGY

CLASS-XI

NEET

MODULE-02

Structural Organization in Animal

| Cell the Unit of Life | Biomolecules

| Cell Cycle & Cell Division | Transports in Plants

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Physics Wallah

NCERT Based Questions



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1. The epithelial tissues are of
 - a. Three types, namely squamous, cuboidal and columnar epithelium
 - b. Four types, namely squamous, cuboidal, columnar and ciliated epithelium
 - c. Two types, namely, simple and compound epithelium
 - d. Two types, namely, simple and complex epithelium
2. The excess of nutrients which are not used immediately are converted into fats and stored in
 - a. Areolar tissue
 - b. Adipose tissue
 - c. Dense regular connective tissue
 - d. Dense irregular connective tissue
3. Which one of the following categories does adipose tissue belong?
 - a. Epithelial
 - b. Connective
 - c. Muscular
 - d. Neural
4. Which one of the following is not a connective tissue?
 - a. Bone
 - b. Cartilage
 - c. Blood
 - d. Muscles
5. Which of the following are specialised connective
 - a. Cartilage
 - b. Bone
 - c. Blood
 - d. All
6. Based on their location, muscles are classified into
 - a. Three types — skeletal, smooth and cardiac muscle
 - b. Three types — skeletal, visceral and cardiac muscle
 - c. Three types — voluntary, involuntary and cardiac muscle
 - d. All of the above
7. The clitellum is a distinct part in the body of earthworm, it is found in :
 - a. Segment 13 - 14 - 15
 - b. Segment 14 - 15 - 16
 - c. Segment 12 - 13 - 14
 - d. Segment 15 - 16 - 17
8. Setae help in locomotion in earthworm but are not uniformly, present in all the segments. They are present in:
 - a. 1st segment
 - b. Last segment
 - c. Clitellar segment
 - d. 20th – 22nd segment
9. Which of the following part of alimentary canal of earthworm helps in grinding the soil particle and decaying leaves?
 - a. Pharynx
 - b. Gizzard
 - c. Stomach
 - d. Typhlosole
10. Malpighian tubule are present at the junction of
 - a. Foregut and midgut, and help in the secretion of digestive enzymes
 - b. Midgut and hindgut, and help in the grinding the food particles
 - c. Foregut and midgut, and help in the removal of excretory products from haemolymph
 - d. Midgut and hindgut, and help in the removal of excretory products from haemolymph.
11. Which one of the following statements is true for cockroach?
 - a. The number of ovarioles in each ovary are ten
 - b. The larval stage is called caterpillar
 - c. Anal styles are absent in females
 - d. They are ureotelic
12. Match the following:

A. Adipose tissue	1. Nose
B. Stratified epithelium	2. Blood
C. Hyaline cartilage	3. Skin
D. Fluid connective tissue	4. Fat storage

 - a. A-1 B-2 C-3 D-4
 - b. A-4 B-3 C-1 D-2
 - c. A-3 B-1 C-4 D-2
 - d. A-2 B-1 C-4 D-3
13. Malpighian tubules are
 - a. 100—120 yellow coloured filamentous structure
 - b. 100—120 brown coloured filamentous structure
 - c. 100—150 yellow coloured filamentous structure
 - d. 100—150 yellow coloured chitinous structure
14. Which is correct about respiration in earthworm?
 - a. O₂ from atmosphere diffuses into blood and combines with haemoglobin of blood plasma
 - b. Blood does not have any important role in O₂ transport
 - c. Respires anaerobically
 - d. O₂ diffused from air combines with haemoglobin of RBCs
15. What is the economic importance of frog?
 - a. They eat insect and protect the crop
 - b. Frog maintain ecological balance as these serve as an important link of food chain and food web.
 - c. In some countries, the muscular legs of the frog are used as food by the man.
 - d. All of the above.

16. Compound tissue is defined as
- Similar types of cells held together by connective tissue
 - Different types of cells which are different in structure and functions
 - Different types of cells performing one function
 - Similar cells at different regions performing many functions
17. The inability to absorb digested nutrients may be due to damage of which type of epithelium?
- Ciliated columnar
 - Simple columnar
 - Simple squamous
 - Simple cuboidal
18. What will happen if ligaments are cut or broken:
- Bones will move freely at joints
 - No movement at joint
 - Bone will become unfixed
 - Bone will become fixed
19. The difference between blood and lymph is
- Blood has WBC while lymph has RBC
 - Blood has dissolved salt while lymph has no cells
 - Blood has RBC and WBC while lymph has no cell
 - Blood has RBC and WBC while lymph has only WBC
20. Which one of the following types of cell is involved in making of the inner walls of large blood vessels?
- Cuboidal epithelium
 - Columnar epithelium
 - Squamous epithelium
 - Stratified epithelium
21. Cockroach blood does not contain respiratory pigment. It means
- It does not respire
 - Cockroach respire anaerobically
 - Oxygen passes to all the tissue through diffusion
 - Oxygen reaches tissue through tracheoles
22. Earthworms obtain oxygen for respiration through moist skin. They do not have respiratory organs because
- The surface acts as an absorptive area which is larger than the volume
 - They are burrowing
 - There is no sufficient space for such organ
 - They do not need them
23. How the male cockroach can be distinguished from the female cockroach?
- Presence of anal cerci in female cockroach
 - Presence of anal styles in male cockroach
 - Absence of anal style in male cockroach
 - Absence of anal cerci in male cockroach
24. The mouth parts of cockroach are of
- Piercing and sucking type
 - Chewing and lapping type
 - Biting and chewing type
 - Siphoning type
25. Mast cells occur in
- Connective
 - Epithelial tissue
 - Skeletal tissue
 - Nervous tissue
26. Which of the following organs in earthworm neutralises humic acid present in humus?
- Typhlosole
 - Calciferous glands
 - Intestinal caecum
 - Gizzard
27. Match the following.
- | | |
|-----------------------------|---|
| A. Hermaphrodite | 1. Produces blood cells and haemoglobin |
| B. Direct development | 2. Testis and ovary in the same animal |
| C. Chemoreceptor | 3. Larval form absent |
| D. Blood gland in earthworm | 4. Sense of chemical substances |
- A-2 B-3 C-4 D-1
 - A-3 B-2 C-4 D-1
 - A-1 B-3 C-2 D-4
 - A-2 B-4 C-3 D-1
28. Match the following with reference to cockroach and choose the correct option.
- | | |
|------------------|------------------------------------|
| A. Phallomere | 1. Chain of developing ova |
| B. Gonopore | 2. Bundles of sperm |
| C. Spermatophore | 3. Opening of the ejaculatory duct |
| D. Ovarioles | 4. The external genitalia |
- A-3 B-4 C-2 D-1
 - A-4 B-3 C-2 D-1
 - A-4 B-2 C-3 D-1
 - A-2 B-4 C-3 D-1
29. Read the following statements and answer the question.
- A. It is made up of a single thin layer of flattened cells with irregular boundaries.
- B. They are found in the walls of blood vessels and air sacs of lungs.
- C. They are involved in functions like forming a diffusion boundary.
- Which of the following characteristics of tissue is being described by the above statements?
- Squamous epithelium
 - Columnar epithelium
 - Ciliated epithelium
 - Compound epithelium
30. Which of the following types of connective tissue is mismatched with its matrix?
- Areolar- Loosely packed matrix of protein fibres
 - Bone- Mineralised matrix
 - Cartilage- Highly vascular matrix
 - Blood- Liquid matrix

ABOUT PHYSICS WALLAH




Alakh Pandey is one of the most renowned faculty in NEET & JEE domain's Physics. On his YouTube channel, Physics Wallah, he teaches the Science courses of 11th and 12th standard to the students aiming to appear for the engineering and medical entrance exams.

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