

NEET - C6 - STRUCTURAL ORGANISATION IN ANIMALS

1. The epithelial tissue present on the inner surface of bronchioles and fallopian tubes is

- A. cuboidal
B. glandular
C. ciliated
D. squamous

2. Note the following statements.

- I. It forms the lining of the cavities of alveoli of lungs.
II. It forms the lining of wet surfaces like buccal cavity and oesophagus.
III. It occurs in the ducts of sweat glands.
IV. it forms the lining of salivary glands and glands.
V. It is a loose connective tissue.

Which of the above statements are associated with simple epithelial tissue?

- A. I and IV
B. II and III
C. III and I
D. IV and V

3. Carotene pigment is found in the cells of

- A. dermis
B. epidermis
C. adipose cell
D. Both (b) and (c)

4. The layer of cells forming tissue that appears to be multilayered but actually some of the cells extend from the basement membrane to the surface is

- A. simple columnar epithelium
B. pseudostratified epithelium
C. stratified columnar epithelium
D. stratified cuboidal epithelium

5. Match the following columns and choose the correct option.

Column I	Column II
A. Columnar epithelium	1. Larynx
B. Ligaments	2. Eosinopaenia
C. Chondrioblast	3. Elastic tissue
D. Acidophils	4. Urinary bladder
E. Uninucleated spindle shaped muscle fibres	5. Microvilli

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- | | A | B | C | D | E |
|----|---|---|---|---|---|
| A. | 5 | 3 | 1 | 2 | 4 |
| B. | 5 | 1 | 3 | 2 | 4 |
| C. | 1 | 5 | 3 | 2 | 4 |
| D. | 5 | 3 | 1 | 4 | 2 |

6. In which one of the following preparations, you likely to come across cell junctions most frequently?

- A. Ciliated epithelium
 B. Thrombocyte
 C. Tendon
 D. Hyaline cartilage

7. Match the following columns and choose the correct option

Column I	Column II
A. Basophils	1. Phagocytosis
B. Neutrophils	2. Inflammation
C. Plasma cells	3. Blood clotting
D. Thrombocytes	4. Antibodies

- | | A | B | C | D |
|----|---|---|---|---|
| A. | 2 | 1 | 4 | 3 |
| B. | 2 | 1 | 3 | 4 |
| C. | 1 | 2 | 4 | 3 |
| D. | 4 | 1 | 2 | 3 |

8. Debove's membrane is a layer of

- A. muscular tissue
 B. epithelial tissue
 C. connective tissue
 D. All of these

9. Largest single mass of lymphatic tissue in the body is

- A. lung
 B. spleen
 C. liver
 D. kidney

10. Which one of the following leucocytes transforms into macrophages?

- A. Eosinophil
 B. Basophil
 C. Monocyte
 D. Lymphocyte

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11. Mast cells secrete

- A. serotonin
- B. heparin
- C. histamine
- D. All of these

12. You are required to draw blood from patient and to keep it in a test tube for analysis of blood corpuscles and plasma. You are also provided with the following four types of test tubes, which of them will you not use for the purpose?

- A. Test tube containing calcium bicarbonate
- B. Chilled test tube
- C. Test tube containing heparin
- D. Test tube containing sodium oxalate

13. Which of the following does not match?

- A. Muscular movement - ATP
- B. Heart - Pace maker
- C. Monocyte - Haemoglobin
- D. Nerve - Acetylcholine

14. During inflammation, which of the following is secreted by connective tissue?

- A. Heparin
- B. Histamine
- C. Serotonin
- D. Glucagon

15. Which one of the following human cells do not contain mitochondria?

- A. Nerve cell
- B. Red blood cells
- C. Liver cell
- D. White blood cells

16. WBCs accumulate at site of wound by

- A. hypertension
- B. arteriosclerosis
- C. haemopoiesis
- D. diapedesis

17. The average diameter of red blood corpuscles of man is

- A. 7.2 μ m
- B. 8.1 μ m
- C. 9.2 μ m
- D. 10.3 μ m

18. In terms of descending order of percentage proportions of leucocytes in human blood, which one is correct?

- A. Neutrophils \rightarrow lymphocytes \rightarrow monocytes \rightarrow eosinophils \rightarrow basophils
- B. Neutrophils \rightarrow basophils \rightarrow lymphocytes \rightarrow eosinophils \rightarrow monocytes
- C. Neutrophils \rightarrow monocytes \rightarrow lymphocytes \rightarrow eosinophils \rightarrow basophils
- D. Neutrophils \rightarrow eosinophils \rightarrow basophils \rightarrow lymphocytes \rightarrow monocytes

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19. Which of the following is a transparent tissue?

- A. Tendon
- B. Fibrous cartilage
- C. Hyaline cartilage
- D. All of these

20. The leucocytes contain, which of the following in large quantity?

- A. Basophils
- B. Neutrophils
- C. Eosinophils
- D. Monocytes

21. During blood clotting, which of the following is used?

- A. Co
- B. Ca⁺
- C. Na⁺
- D. Cl⁻

22. Histamine, serotonin and heparin are secreted by

- A. lymphocytes
- B. monocytes
- C. neutrophils
- D. basophils

23. Alimentary canal wall contains

- A. striated muscles
- B. striped muscles
- C. smooth muscles
- D. None of these

24. During respiration in frog, the hyoid and floor of the buccal cavity are raised with the help of

- A. sternohyal muscles
- B. petrohial muscles
- C. ligaments
- D. intercoastal muscles

25. Nerve cells are the part of

- A. epithelial tissue
- B. connective tissue
- C. muscles tissue
- D. nervous tissue

NEET - C6 - STRUCTURAL ORGANISATION IN ANIMALS - KEY

1. C	2. A	3. D	4. B	5. A
6. A	7. A	8. C	9. B	10. C
11. D	12. A	13. C	14. B	15. B
16. D	17. A	18. A	19. C	20. B
21. B	22. D	23. C	24. A	25. D

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