

## EXERCISE

## EPITHELIAL TISSUE

1. Exoskeleton originated form (Eg feathers, nail, horn, hooves) :-
  - (1) Connective tissue proper
  - (2) Epithelium tissue
  - (3) Skeletal tissue
  - (4) Vascular tissue
2. Air sacs of lungs and Bowman's capsule or are made up of :-
  - (1) Pavement Epithelium
  - (2) Columnar Epithelium
  - (3) Cuboidal Epithelium
  - (4) Pseudo stratified Epithelium
3. Ciliated epithelium found in :-
 

(1) Oviduct	(2) Trachea
(3) Uterus	(4) 1, 2 & 3 all
4. Brush border epithelium (Microvilli containing) found in:-
  - (1) PCT
  - (2) Loop of Henle
  - (3) Collecting duct
  - (4) Bowman's capsule
5. Epithelium of retina & thyroid is made up of which type of cells :-
  - (1) Squamous + Cuboidal
  - (2) Columnar + Cuboidal
  - (3) Columnar + squamous
  - (4) Only Cuboidal
6. Characteristic of simple epithelium is :-
  - (1) They are arranged in discriminately
  - (2) They make a definite layer
  - (3) Never divide
  - (4) Large intercellular spaces
7. Tesselated epithelium is present in:-
  - (1) Ependymal membrane
  - (2) Endothelium
  - (3) Schneidarian membrane
  - (4) Alveoli of lungs
8. Germinal epithelium is composed of :-
  - (1) Cubodial epithelium
  - (2) Columnar epithelium
  - (3) Squamous epithelium
  - (4) Glandular epithelium
9. Select the false statement with respect to epithelial tissue.
  - (1) It has a free surface
  - (2) It faces body fluids sometimes
  - (3) It faces the external environment sometimes
  - (4) It sometimes forms middle structure part of organs
10. Inner lining of blood vessel is composed of :-
  - (1) Pseudostratified epithelium
  - (2) Simple cubodial epithelium
  - (3) Simple squamous epithelium
  - (4) Ciliated columnar epithelium
11. Gall bladder lined by :-
  - (1) Simple columnar epithelium
  - (2) Stratified columnar epithelium
  - (3) Brush border columnar epithelium
  - (4) Brush border cuboidal epithelium
12. Inner lining of stomach, rectum and colon is made of:-
  - (1) Simple squamous epithelium
  - (2) Simple cuboidal epithelium
  - (3) Simple columnar epithelium
  - (4) Pseudostratified epithelium
13. The correct statement with respect to epithelial tissue is :-
 

A – cells are compactly packed  
 B – cells have no intercellular matrix  
 C – cells have little intercellular material  
 D – it is single or multilayered

(1) A & D	(2) B & C
(3) A, C & D	(4) All of these
14. Wall of Bowman's capsule in nephron is made up of :-
  - (1) Cuboidal epithelium
  - (2) Columnar epithelium
  - (3) Squamous epithelium
  - (4) Glandular epithelium
15. Which of the following is made up of cube like cells?
  - (1) Epithelium of fallopian tubes
  - (2) Epithelium of PCT
  - (3) Epithelium of stomach
  - (4) Epithelium of alveoli

## ANIMAL TISSUE

- 16.** Mesothelium or Peritoneum is originated from:-  
(1) Ectoderm (2) Endoderm  
(3) Ectomesoderm (4) Mesoderm
- 17.** Brush border epithelium occurs in  
(1) Trachea (2) Stomach  
(3) Small intestine (4) Fallopian tube.
- 18.** Adjacent epithelial cells are held together by means of  
(1) Liposomes  
(2) Glyoxisomes/glyoxysomes  
(3) Desmosomes  
(4) Microsomes.
- 19.** Simple epithelium is made of  
(1) Noncellular layer of hyaluronic acid  
(2) Actively dividing cells  
(3) Loosely arranged cells  
(4) Compactly packed single layer of cells.
- 20.** Characteristic of epithelial tissues is  
(1) Never produce glands  
(2) Cells can undergo rapid divisions  
(3) Abundant vasularisation  
(4) Large intercellular spaces.

### CONNECTIVE TISSUE PROPER

- 21.** Matrix of connective tissue proper is secreted by-  
(1) Plasma cell (2) Fibroblast cell  
(3) Adipose cell (4) All the above
- 22.** Yellow fibers are present in :-  
(1) Arrange in bundles  
(2) Singly and branched  
(3) Singly and unbranched  
(4) Unbranched & arrange in bundles
- 23.** Most of the cells present in areolar connective tissue are :-  
(1) Mast cell (2) Plasma cell  
(3) Fibroblast (4) Macrophages
- 24.** Mast cells occur in  
(1) Connective tissue (2) Epithelial tissue  
(3) Skeletal tissue (4) Nervous tissue.
- 25.** Loose connective tissue is  
(1) Areolar (2) Bone  
(3) Blood (4) Cartilage.
- 26.** Ligament is  
(1) Modified white fibrous tissue  
(2) Inelastic white fibrous tissue  
(3) Modified elastic connective tissue  
(4) Modified epithelial tissues
- 27.** Collagen and elastin are formed by  
(1) Macrophages (2) Fibroblasts  
(3) Mast cells (4) Chondrocytes
- 28.** Ligament connects :  
(1) Bone to bone  
(2) Bone to muscle  
(3) Muscle to muscle  
(4) Both '2' and '3'
- 29.** Tendons and ligaments are specialized types of  
(1) Nervous tissue  
(2) Epithelial tissue  
(3) Muscular tissue  
(4) Fibrous connective tissue
- 30.** Ligament is mainly made up of  
(1) Reticulin (2) Elastin  
(3) Myosin (4) Collagen
- 31.** The main function of ligament is :  
(1) Joining of two bones  
(2) Joining of muscles  
(3) Joining of muscle to bone  
(4) Joining of muscle to nerves
- 32.** White adipose tissue contains :  
(1) Multilocular fat cells  
(2) Bilocular fat cells  
(3) Unilocular fat cells  
(4) alocular fat cells
- 33.** In human fibrous cartilage is found abundantly  
(1) Hyaline cartilage of joints  
(2) Nostrils  
(3) Intervertebral discs  
(4) External ear
- 34.** Red coloured fluid connective tissue which help in transport of gases is :-  
(1) Lymph (2) Blood  
(3) Haemoglobin (4) Tendon
- 35.** Areolar connective tissue joins –  
(1) Fat body with muscles  
(2) Integument with muscles  
(3) Bones with muscles  
(4) Bones with bones
- 36.** Mast cells secrete –  
(1) Hippurin  
(2) Myoglobin  
(3) Histamine  
(4) Hemoglobin

37. Given below is the diagrammatic sketch of a certain type of connective tissue. Identify the parts labelled A, B, C and D, and select the right option about them.



Options :

- |     | <b>Part-A</b> | <b>Part-B</b>   | <b>Part-C</b>   | <b>Part-D</b>   |
|-----|---------------|-----------------|-----------------|-----------------|
| (1) | Macro-phage   | Collagen fibres | Fibroblast      | Mast cell       |
| (2) | Mast cell     | Collagen fibres | Fibroblast      | Macro-phage     |
| (3) | Macro-phage   | Fibroblast      | Collagen fibres | Mast cell       |
| (4) | Mast cell     | Macro-phage     | Fibroblast      | Collagen fibres |

**BONE AND CARTILAGE**

38. Haversian canal contain :-

- (1) Blood vessels & Nerves
- (2) Blood vessels only
- (3) Lymphatic only
- (4) Connective tissue only

39. Perichondrium is :-

- (1) Adipose tissue
- (2) White fibrous connective tissue
- (3) Yellow elastic tissue
- (4) Areolar connective tissue

40. Matrix of cartilage produced by :-

- (1) Chondrocytes
- (2) Chondro clasts
- (3) Osteocytes
- (4) Histiocytes

41. Which of following is lack of blood supply ?

- (1) Bone
- (2) Cartilage
- (3) Connective tissue
- (4) None

42. Which of the following are specialised connective tissue ?

- (1) Cartilage
- (2) Bone
- (3) Blood
- (4) All

43. Cartilage is present in :-

- (1) Between adjacent bones of vertebral column and limb
- (2) In middle of the long bone
- (3) Both
- (4) None

44. Which of the following have hard and non pliable ground substance ?

- (1) Cartilages
- (2) Bones
- (3) Both
- (4) Areolar tissues

45. Mammalian pinna is supported by

- (1) Hyaline cartilage
- (2) Calcified cartilage
- (3) Elastic cartilage
- (4) White fibrous connective tissue.

46. The kind of tissue that forms the supportive structure in our pinna (external ears) is also found in :-

- (1) Tip of the nose
- (2) Vertebrae
- (3) Nails
- (4) Ear ossicles

47. The supportive skeletal structures in the human external ears and in the nose tip are examples of :-

- (1) bone
- (2) cartilage
- (3) ligament
- (4) areolar tissue

**ANSWER KEY**

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	2	1	4	1	4	2	2	1	4	3	3	3	3	3	2
Que.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Ans.	4	3	3	4	2	2	2	3	1	1	3	2	1	4	2
Que.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Ans.	1	3	3	2	2	3	3	1	2	1	2	4	1	2	3
Que.	46	47													
Ans.	1	2													