

# Yakeen NEET 2.0 2026

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## Structural Organization in Animals

DPP: 4

**Q1** Collagen fibres are not found in extracellular matrix of

- (A) Bone
- (B) Adipose tissue
- (C) Blood
- (D) Areolar connective tissue

**Q2** The cells of areolar tissue that secrete fibres are

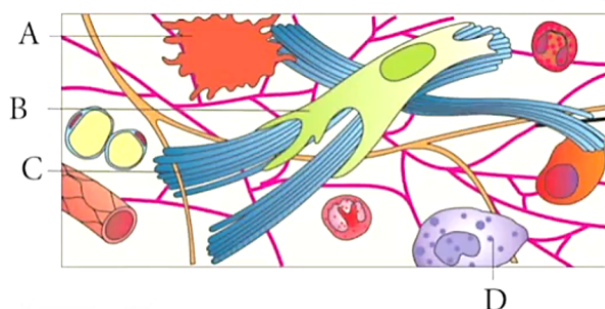
- (A) Mast cells
- (B) Macrophages
- (C) Fibroblasts
- (D) Chondrocytes

**Q3** Collagen fibres are secreted by

- (A) Histiocytes
- (B) Fibroblasts
- (C) Mast cells
- (D) Macrophages

**Q4** 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

	Part-A	Part-B	Part-C	Part-D
(1)	Macrophage	Fibroblast	Collagen fibres	Mast cells
(2)	Mast cell	Macrophage	Fibroblast	Collagen fibres
(3)	Macrophage	Collagen fibres	Fibroblast	Mast cell
(4)	Mast cell	Collagen fibres	Fibroblast	Macrophage



- (A) 1
- (B) 2
- (C) 3
- (D) 4

**Q5** Which of the following connective tissue often serves as a support framework for epithelium?

- (A) Areolar tissue
- (B) Adipose tissue
- (C) Dense regular connective tissue
- (D) Dense irregular connective tissue

**Q6** Mast cells secrete

- (A) Dopamine
- (B) Myoglobin
- (C) Histamine
- (D) Haemoglobin

**Q7** Large amoeboid cells, that are a part of our innate immune system, found in areolar tissue are called as:

- (A) Macrophages
- (B) Mast cells
- (C) Fibroblasts
- (D) Adipocytes

**Q8** The most abundant and widely distributed tissue in the bodies of complex animals is

- (A) Epithelium
- (B) Connective
- (C) Muscular
- (D) Neural

**Q9** Mast cells contain

- (A) Heparin and histamine
- (B) Heparin and calcitonin
- (C) Serotonin and melanin
- (D) Vasopressin and relaxin

**Q10** Antibodies are secreted by

- (A) Adipose cells
- (B) Reticular cells
- (C) Plasma cells
- (D) Mast cells

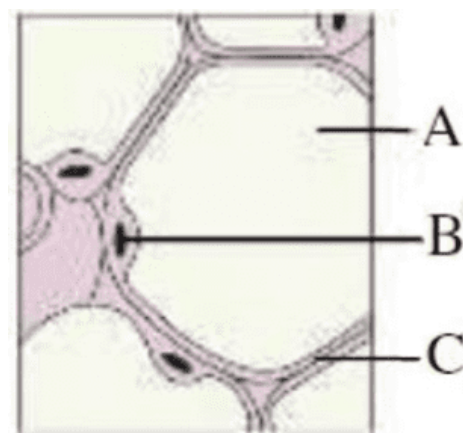
**Q11** Histamine is secreted by

- (A) histiocytes
- (B) lymphocytes
- (C) fibroblasts
- (D) mast cells

**Q12** Below the skin, the fat is in the form of

- (A) Lipoproteins
- (B) Adipose tissue
- (C) Mucous layer
- (D) Lymphoid tissue

**Q13** Identify A, B, and C in the given diagram of adipose tissue.



- (A) A-Cytoplasm, B-Nucleus, C-Cell wall
- (B) A-Fat storage area, B-Mast cell, C-Plasma membrane



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- (C) A-Cell fluid, B-Collagen fibres, C-Plasma membrane  
(D) A-Fat storage area, B-Nucleus, C-Plasma membrane
- Q14** Excess of nutrients which are not used immediately are stored in \_\_\_\_\_ tissue  
(A) areolar tissue (B) adipose Tissue  
(C) tendon (D) bone
- Q15** Ligament connects  
(A) Humerus to biceps  
(B) Tibia to femur  
(C) Biceps to triceps  
(D) Triceps to humerus
- Q16** Major part of matrix in connective tissue is secreted by  
(A) Fibroblast (B) Mast cells  
(C) Histiocyte (D) Clasmatoocytes
- Q17** Find the correct statement  
(A) Areolar tissue is a loose connective tissue  
(B) Tendon is a specialized connective tissue  
(C) Cartilage is a loose connective tissue  
(D) Adipose tissue is a dense connective tissue
- Q18** Dense irregular connective tissue is present in  
(A) Tendons (B) Ligaments
- (C) Skin (D) Cartilage
- Q19** Examples of specialized connective tissue is/are  
(A) bone (B) cartilage  
(C) blood (D) All of these
- Q20** Tendons help in connecting  
(A) muscles to bones  
(B) bone to bone  
(C) bone to cartilage  
(D) cartilage to muscle
- Q21** Tendon and ligament are example of:  
(A) dense regular connective tissue.  
(B) dense irregular connective tissue.  
(C) loose connective tissue.  
(D) specialised connective tissue.
- Q22** Ligaments and tendons are  
(A) Loose connective tissue  
(B) Muscular tissue  
(C) Dense regular connective tissue  
(D) Skeletal tissue
- Q23** Find the odd one Out  
(A) Cartilage  
(B) Bones  
(C) Blood  
(D) Dense Irregular Connective Tissue.



## Answer Key

Q1 (C)  
Q2 (C)  
Q3 (B)  
Q4 (A)  
Q5 (A)  
Q6 (C)  
Q7 (A)  
Q8 (B)  
Q9 (A)  
Q10 (C)  
Q11 (D)  
Q12 (B)

Q13 (D)  
Q14 (B)  
Q15 (B)  
Q16 (A)  
Q17 (A)  
Q18 (C)  
Q19 (D)  
Q20 (A)  
Q21 (A)  
Q22 (C)  
Q23 (D)



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