

NEET STRUCTURAL ORGANISATION IN ANIMALS — CONNECTIVE TISSUE — PYQS

Max. Marks: 76

Questions: 19

Section A (MCQ) — 19 questions

Q.1 In which of the following connective tissues, the cells secrete fibres of collagen or elastin?

- A. Cartilage B. Bone
C. Adipose tissue D. Blood
E. Areolar tissue

Choose the most appropriate answer from the options given below : [RE-NEET (UG) 2024]

- (1) B, C, D and E only (2) A, B, C and E only
(3) B, C and D only (4) A, C and D only

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Q.2 Given below are two statements:

Statement-I: Ligaments are dense irregular tissue.

Statement-II: Cartilage is dense regular tissue.

In the light of the above statements, choose the correct answer from the options given below:

[NEET (UG) 2023]

- (1) Both Statement-I and Statement-II are false
(2) Statement-I is true but Statement-II is false
(3) Statement-I is false but Statement-II is true
(4) Both Statement-I and Statement-II are true

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Q.3 Match List I with List II.

List I		List II	
A.	Mast cells	I.	Ciliated epithelium
B.	Inner surface of bronchiole	II.	Areolar connective tissue
C.	Blood	III.	Cuboidal epithelium
D.	Tubular parts of nephron	IV.	Specialised connective tissue

Choose the correct answer from the options given below: [NEET (UG) 2023]

- (1) A-II, B-III, C-I, D-IV (2) A-II, B-I, C-IV, D-III
(3) A-III, B-IV, C-II, D-I (4) A-I, B-II, C-IV, D-III

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Q.4 Which of the following is not a connective tissue?

[NEET (UG) 2022]

- (1) Blood (2) Adipose tissue
(3) Cartilage (4) Neuroglia

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Q.5 Match List-I with List-II

List-I		List-II	
a.	Bronchioles	i.	Dense Regular Connective Tissue
b.	Goblet Cell	ii.	Loose Connective Tissue
c.	Tendons	iii.	Glandular Tissue
d.	Adipose Tissue	iv.	Ciliated Epithelium

Choose the correct answer from the options given below: [NEET (UG) 2022]

- (1) (a)-(iv), (b)-(iii), (c)-(i), (d)-(ii)
(2) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)
(3) (a)-(ii), (b)-(i), (c)-(iv), (d)-(iii)
(4) (a)-(iii), (b)-(iv), (c)-(ii), (d)-(i)

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Q.6 Which of the following is present between the adjacent bones of the vertebral column?

[NEET (UG) 2022]

- (1) Intercalated discs (2) Cartilage
(3) Areolar tissue (4) Smooth muscle

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Q.7 Choose the correct statements:

Choose the most appropriate answer from the options given below:

- A. Bones support and protect softer tissues and organs
B. Weight bearing function is served by limb bones
C. Ligament is the site of production of blood cells.
D. Adipose tissue is specialised to store fats.
E. Tendons attach one bone to another.

[NEET (UG) 2022 (Phase 2)]

- (1) A, B and E only (2) A, B and D only
(3) B, C and E only (4) A, C and D only

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Q.8 Choose the correctly matched pair : [AIPMT 2014]

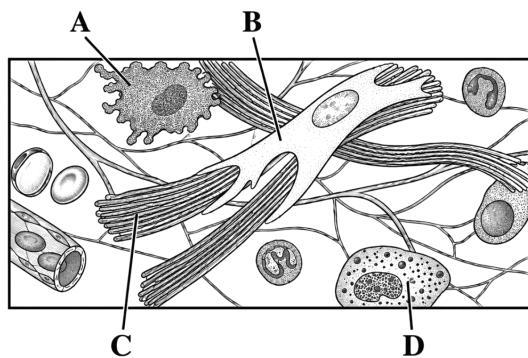
- (1) Adipose tissue – Dense connective tissue
(2) Areolar tissue – Loose connective tissue
(3) Tendon – Specialized connective tissue
(4) Cartilage – Loose connective tissue

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Q.9 Given below is the diagrammatic sketch of a certain type of connective tissue. Identify the parts labeled A, B, C and D and select the right option about them

[AIPMT 2012 (Mains)]



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

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Q.10 The supportive skeletal structures in the human external ears and in the nose tip are examples of

[AIPMT 2012 (Mains)]

- (1) Ligament (2) Areolar tissue
(3) Cartilage (4) Bone

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Q.11 The kind of tissue that forms the supportive structure in our pinna (external ears) is also found in -

[AIPMT 2009]

- (1) vertebrae (2) tip of the nose
(3) ear ossicles (4) nails

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Q.12 Areolar connective tissue joins- [AIPMT 2006]

- (1) Bones with muscles
(2) Bones with bones
(3) Fat body with muscles
(4) Integument with muscles

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Q.13 Mast cells secrete- [AIPMT 2006]

- (1) Histamine (2) Hippurin
(3) Haemoglobin (4) Myoglobin

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Q.14 Mast cells of connective tissue contain -

[AIPMT 2004]

- (1) Heparin and calcitonin
(2) Heparin and histamine
(3) Vasopressin and relaxin
(4) Serotonin and melanin

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Q.15 Which one of the following contains the largest quantity of extracellular material ? [AIPMT 2003]

- (1) Stratified epithelium
(2) Myelinated nerve fibres
(3) Striated muscle
(4) Areolar tissue

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Q.16 Which cartilage is present at the end of long bones?

[AIPMT 2002]

- (1) Calcified cartilage (2) Hyaline cartilage
(3) Elastic cartilage (4) Fibrous cartilage

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Q.17 During an injury, the nasal septum gets damaged. For its recovery, which cartilage is preferred?

[AIPMT 2001]

- (1) Fibrous cartilage (2) Elastic cartilage
(3) Calcified cartilage (4) Hyaline cartilage

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Q.18 What happens if bone of frog is kept in dilute hydrochloric acid? [AIPMT 2000]

- (1) Will become flexible
(2) Will turn black
(3) Will break into pieces
(4) Will shrink

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Q.19 Proteoglycan in cartilages which is part of polysaccharide is [AIPMT 2000]

- (1) Ossein (2) Cartilegen
(3) Chondroitin (4) Casein

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full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	2	1	2	4	1	2	2	2	3	3	2
Ques.	12	13	14	15	16	17	18	19			
Ans.	4	1	2	4	2	4	1	3			