

ARJUNA (NEET)

Structural organisation in animals

Mod 1

DPP-04

- 6 1. Which among the following difference is incorrect between bone and cartilage?

Option	Bone	Cartilage
(I)	Hard and pliable	Solid and non-pliable
(II)	Composed of osteocytes	Composed of chondrocytes
(III)	Present in spaces called as lacunae	Enclosed in small cavities within matrix secreted by them
(IV)	In adults, bone > cartilage	In vertebrate embryo, cartilage > bone

2. Major inorganic components of vertebrate bone are _____.

- (a) Potassium hydroxide
(b) Calcium phosphate
(c) Calcium carbonate
(d) None of the above

3. The membrane that surrounds the bone is known as _____.

- (a) Pericardium
(b) Periosteum
(c) Perichondrium
(d) Endosteum

4. Nasal septum gets damaged. Its recovery requires cartilage known as _____.

- (a) Elastic cartilage
(b) Fibrous cartilage
(c) Calcified cartilage
(d) Hyaline cartilage

5. Which of the following is not correct
(a) The brown adipose tissue cell has single large droplet surrounded by a small amount of cytoplasm, whereas the white adipose tissue cell has many small droplets of fat suspended in a larger amount of cytoplasm

- (b) Brown fat cells contain many mitochondria, while white fat cells have comparatively few

- (c) Brown fat has larger capacity for generating heat than white fat

- (d) Brown fat is mainly found in new born mammals

6. Below the skin, the fat is in the form of

- (a) Lipoproteins
(b) Adipose tissue
(c) Mucous layer
(d) Lymphoid tissue

7. Collagen fibres of connective tissue are

- (a) White (b) Yellow
(c) Colourless (d) Red

8. The liquid connective tissue contains no

- (a) Fibre (b) Matrix
(c) Cell (d) All of above

9. Tip of the nose and external ears have

- (a) areolar tissue (b) ligament
(c) cartilage (d) bone

10. Ligament is

- (a) modified yellow elastic fibrous tissue
(b) inelastic white fibrous tissue
(c) modified white fibrous tissue
(d) none of the above

ANSWERS

1. (A)
2. (B)
3. (B)
4. (D)
5. (A)
6. (B)
7. (A)
8. (A)
9. (C)
10. (A)



Note - If you have any query/issue

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