

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 ✓

Bone & Cartilage

↓
(SOLID) → soft & Non pliable

↓
Hard
Non pliable

2. Major inorganic components of vertebrate bone are _____.

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

hard

§

Ca²⁺ salts

§

Calcium phosphate

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

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

Perichondrium
chondrocytes
chondroblast

Periosteum
osteocyte
osteoblast

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

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

✓ H →

Hyaline
Hyaline

| Elastic | white f.c | Calcified.

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 founded 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

elastic

8. The liquid connective tissue contains no

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

Fluid C.T

Fibres
is not secreted by its own cell.

9. Tip of the nose and external ears have

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

Yellow

10. Ligament is

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

