

# Yakeen NEET 2.0 (Legend)

## Structural Organization in Animals

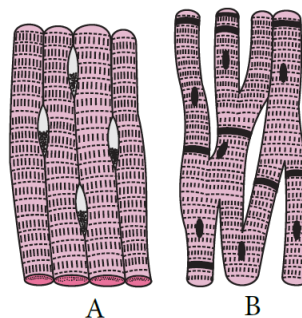
DPP-06

- Epithelial tissue is distinguished from connective tissue, muscular, or nervous tissue by its
  - (1) Large extracellular matrix
  - (2) Contractibility
  - (3) Ability to carry action potentials
  - (4) Basement membrane
- Which one of the following is not a connective tissue?
  - (1) Bone
  - (2) Cartilage
  - (3) Blood
  - (4) Muscles
- To which one of the following categories does adipose tissue belongs to?
  - (1) Epithelial
  - (2) Connective
  - (3) Muscular
  - (4) Neural
- \_\_\_\_\_ fibres, shorten in response to the stimulation and then they lengthen themselves and return to their initial uncontracted state in a coordinated manner
  - (1) Muscle fiber
  - (2) Nerve
  - (3) Collagen
  - (4) None of the above
- Select the option that correctly identifies the tissue shown in the diagram and matches it with either its characteristics or its location



- (1) Voluntary muscle fibres, show branching and are found in the walls of the heart
- (2) Voluntary muscle fibres, show tapering at both ends and are attached with the bones of ribs
- (3) Involuntary muscle fibres, branched and intercalated discs are present
- (4) Involuntary muscle fibres that are spindle shaped and unbranched

- Contractile tissue characterised by presence of intercalated discs is found in
  - (1) Biceps
  - (2) Heart
  - (3) Intercostal muscles
  - (4) Diaphragm
- Choose the correct option w.r.t. the common character of the given tissues (A and B)



- (1) Number of nuclei in a cell
  - (2) Functioning of tissue
  - (3) Presence of communication junction
  - (4) Cylindrical and striated in appearance
- Smooth muscles are
  - (1) Involuntary, fusiform, non-striated
  - (2) Voluntary, multinucleate, cylindrical
  - (3) Involuntary, cylindrical, striated
  - (4) Voluntary, spindle-shaped, uninucleate
- Each muscle is made of many long, cylindrical fibres arranged in parallel arrays. These fibres are composed of numerous fine fibrils called
  - (1) Fascicles
  - (2) Myofibrils
  - (3) Myofilaments
  - (4) Both (2) and (3)
- The muscle is a specialised tissue which is originated from
  - (1) Endoderm
  - (2) Mesoderm
  - (3) Ectoderm
  - (4) Yolk sac



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| <p><b>11.</b> The plasma membrane of the muscle fibre is called</p> <ul style="list-style-type: none"><li>(1) Sarcoplasma</li><li>(2) Sarcolemma</li><li>(3) Sarcoplasmic reticulum</li><li>(4) Syncytial</li></ul> <p><b>12.</b> Which of the following are the characteristics of striated muscle fibres?</p> <ul style="list-style-type: none"><li>(1) Cylindrical, Striped and branched</li><li>(2) Cylindrical, Striped and uninucleate</li><li>(3) Spindle, unbranched and uninucleate</li><li>(4) Cylindrical, Syncytial and unbranched</li></ul> <p><b>13.</b> Muscles involved in the movement of arm are</p> <ul style="list-style-type: none"><li>(1) Striated                      (2) Unstriated</li><li>(3) Cardiac                      (4) Smooth</li></ul> | <p><b>14.</b> Which one of the following shows striations and is branched?</p> <ul style="list-style-type: none"><li>(1) Biceps under autonomous control</li><li>(2) Iris muscle under control of will</li><li>(3) Heart muscle, involuntary</li><li>(4) Muscle of visceral organs autonomous control</li></ul> <p><b>15.</b> What do skeletal muscles do in our body?</p> <ul style="list-style-type: none"><li>(1) Support the body</li><li>(2) Control heartbeat</li><li>(3) Control blood supply</li><li>(4) All of the above</li></ul> <p><b>16.</b> Cardiac muscle cells are _____</p> <ul style="list-style-type: none"><li>(1) Uninucleate and voluntary</li><li>(2) Uninucleate and involuntary</li><li>(3) Multinucleate and voluntary</li><li>(4) Multinucleate and involuntary</li></ul> |
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**Note: Kindly find the Video Solution of DPPs Questions in the DPPs Section.**

## **Answer Key**

1. (4)
2. (4)
3. (2)
4. (1)
5. (3)
6. (2)
7. (4)
8. (1)

9. (2)
10. (2)
11. (2)
12. (4)
13. (1)
14. (3)
15. (1)
16. (2)



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