

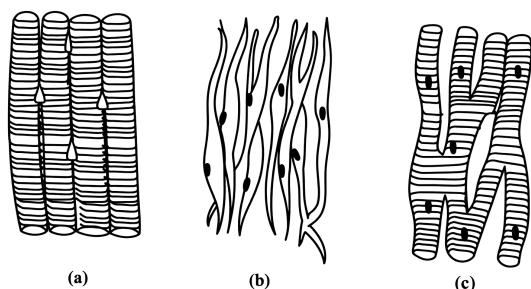
NEET STRUCTURAL ORGANISATION IN ANIMALS — MUSCLE TISSUE — PYQS

Max. Marks: 32

Questions: 8

Section A (MCQ) — 8 questions

Q.1 Three types of muscles are given as a, b and c. Identify the correct matching pair along with their location in human body:



Name of muscle/location [NEET (UG) 2024]

- (1) (a) Smooth - Toes (b) Skeletal - Legs (c) Cardiac - Heart
 (2) (a) Skeletal - Triceps (b) Smooth - Stomach (c) Cardiac - Heart
 (3) (a) Skeletal - Biceps (b) Involuntary - Intestine (c) Smooth - Heart
 (4) (a) Involuntary - Nose tip (b) Skeletal - Bone (c) Cardiac - Heart

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Q.2 Choose the correct statement about a muscular tissue [NEET (UG) 2022 (Phase 2)]

- (1) Smooth muscles are multinucleated and involuntary.
 (2) Skeletal muscle fibres are uninucleated and found in parallel bundles.
 (3) Intercalated discs allow the cardiac muscle cells to contract as a unit.
 (4) The walls of blood vessels are made up of columnar epithelium.

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Q.3 Which of the following statements wrongly represents the nature of smooth muscle? [NEET (UG) 2021]

- (1) These muscles are present in the wall of blood vessels
 (2) These muscles have no striations
 (3) They are involuntary muscles
 (4) Communication among the cells is performed by intercalated discs

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Q.4 Which type of tissue correctly matches with its locations? [NEET 2016 (Phase 1)]

- (1) Tissue → Smooth muscle, Location → Wall of intestine
 (2) Tissue → Areolar tissue, Location → Tendons
 (3) Tissue → Cuboidal epithelium, Location → Lining of stomach
 (4) Tissue → Transitional epithelium, Location → Tip of nose

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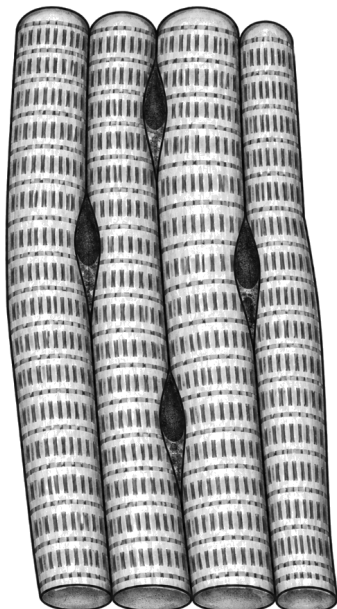
Q.5 Smooth muscles are [NEET 2016 (Phase 2)]

- (1) involuntary, cylindrical, striated
 (2) involuntary, fusiform, non-striated
 (3) voluntary, spindle-shaped, uninucleate
 (4) voluntary, multinucleate, cylindrical

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Q.6 Identify the tissue shown in the diagram and match with its characteristics and its location :-

[NEET 2013 (Karnataka)]



- (1) Smooth muscles, show branching, found in the walls of the heart.
- (2) Striated muscles, tapering at both-ends, attached with the bones of the ribs
- (3) Skeletal muscle, shows striations and closely attached with the bones of the limbs
- (4) Cardiac muscles, unbranched muscles, found in the walls of the heart

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Q.7 The type of muscles present in our

[AIPMT 2011 (Mains)]

- (1) heart is involuntary and unstriated smooth muscles
- (2) intestine is striated and involuntary
- (3) thigh is striated and voluntary
- (4) upper arm is smooth muscle and fusiform in shape.

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Q.8 Which one of the following is correct pairing of a body part and the kind of muscle tissue that moves it?

[AIPMT 2009]

- (1) Biceps of upper arm – smooth muscle fibres
- (2) Iris – Involuntary smooth muscle
- (3) Abdominal wall – smooth muscle
- (4) Heart wall – Involuntary unstriated muscle

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	2	3	4	1	2	3	3	2			