

PYQSide

NEET LOCOMOTION AND MOVEMENT — DISORDERS OF MUSCULAR AND SKELETAL SYSTEM — PYQS

Max. Marks: 52

Questions: 13

Section A (MCQ)

Q.1 Match **List I** with **List II** related to muscular/skeletal system : [NEET (UG) 2026]

List-I		List-II	
A.	Tetany	I.	Inflammation of joints
B.	Arthritis	II.	Autoimmune disorder affecting neuromuscular junction
C.	Myasthenia gravis	III.	Wild contraction in muscle due to low Ca^{++} in body fluid
D.	Muscular dystrophy	IV.	Progressive degeneration of skeletal muscle

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

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Q.2 Which of the following are Autoimmune disorders?
A. Myasthenia gravis
B. Rheumatoid arthritis
C. Gout
D. Muscular dystrophy
E. Systemic Lupus Erythematosus (SLE)
Choose the most appropriate answer from the options given below: [NEET (UG) 2024]
(1) A, B & D only (2) A, B & E only
(3) B, C & E only (4) C, D & E only

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Q.3 Given below are two statements : one is labelled as **Assertion (A)** and the other is labelled as **Reason (R)**.
Assertion (A): Osteoporosis is characterised by decreased bone mass and increased chance of fractures.
Reason (R): Common cause of osteoporosis is increased levels of estrogen.

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

[NEET (UG) 2022]

- (1) Both (A) and (R) are correct and (R) is the correct explanation of (A)
(2) Both (A) and (R) are correct but (R) is not the correct explanation of (A)
(3) (A) is correct but (R) is not correct
(4) (A) is not correct but (R) is correct

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Q.4 Which of the following is a correct match for disease and its symptoms? [NEET (UG) 2022]
(1) Arthritis - Inflamed joints
(2) Tetany - High Ca^{2+} level causing rapid spasms
(3) Myasthenia gravis - Genetic disorder resulting in weakening and paralysis of skeletal muscle
(4) Muscular dystrophy - An auto immune disorder causing progressive degeneration of skeletal muscle

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Q.5 Gout is a type of disorder which leads to: [NEET (UG) 2022 (Phase 2)]
(1) Weakening of bones due to low calcium level
(2) Inflammation of joints due to accumulation of uric acid crystals
(3) Weakening of bones due to decreased bone mass
(4) Inflammation of joints due to cartilage degeneration

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Q.6 Chronic auto immune disorder affecting neuro muscular junction leading to fatigue, weakening and paralysis of skeletal muscle is called as : [NEET (UG) 2021]
(1) Gout (2) Arthritis
(3) Muscular dystrophy (4) Myasthenia gravis

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Q.7 Which of the following muscular disorders is inherited? [NEET (UG) 2019]

- (1) Myasthenia gravis (2) Botulism
(3) Tetany (4) Muscular dystrophy

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Q.8 Which of the following hormones can play a significant role in osteoporosis? [NEET 2018]

- (1) Estrogen and parathyroid hormone
(2) Aldosterone and prolactin
(3) Progesterone and aldosterone
(4) Parathyroid hormone and prolactin

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Q.9 Osteoporosis, an age-related disease of skeletal system, may occur due to [NEET 2016 (Phase 2)]

- (1) immune disorder affecting neuromuscular junction leading to fatigue
(2) high concentration of Ca^{++} and Na^+
(3) decreased level of estrogen
(4) accumulation of uric acid leading to inflammation of joints.

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Q.10 Select the correct statement with respect to locomotion in humans. [NEET 2013]

- (1) The vertebral column has 10 thoracic vertebrae.
(2) The joint between adjacent vertebrae is a fibrous joint.
(3) A decreased level of progesterone causes osteoporosis in old people.
(4) Accumulation of uric acid crystals in joints causes their inflammation.

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Q.11 Select the correct statement with respect to disorders of muscles in humans.

[NEET 2013 (Karnataka)]

- (1) Failure of neuromuscular transmission in myasthenia gravis can prevent normal swallowing.
(2) Accumulation of urea and creatine in the joints causes their inflammation.
(3) An overdose of vitamin D causes osteoporosis.
(4) Rapid contractions of skeletal muscles cause muscle dystrophy.

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Q.12 Select the correct statement regarding the specific disorder of muscular or skeletal system.

[AIPMT 2012 (Prelims)]

- (1) Muscular dystrophy – Age related shortening of muscles
(2) Osteoporosis – Decrease in bone mass and higher chances of fractures with advancing age
(3) Myasthenia gravis – Autoimmune disorder which inhibits sliding of myosin filaments
(4) Gout – Inflammation of joints due to extra deposition of calcium

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Q.13 Low Ca^{++} in the body fluid may be the cause of

[AIPMT 2010 (Prelims)]

- (1) tetany (2) anaemia
(3) angina pectoris (4) gout

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	2	2	3	1	2	4	4	1	3	4	1
Ques.	12	13									
Ans.	2	1									