

LOCOMOTION AND MOVEMENT (SKELETAL SYSTEM)

PYQ

AIPMT 2008

1. Which one of the following items gives its *correct total* number?
- (1) Types of diabetes – 3
 - (2) Cervical vertebrae in humans – 8
 - (3) Floating ribs in humans – 4
 - (4) Amino acids found in proteins – 16

AIPMT 2009

2. Elbow joint is an example of :-
- (1) Ball and socket joint
 - (2) Pivot joint
 - (3) Hinge joint
 - (4) Gliding joint

AIPMT 2011

3. Three of the following pairs of human skeletal parts are correctly matched with their respective inclusive skeletal category and one pair is not matched. Identify the nonmatching pair :-

Pair of skeletal parts	Category
(1) Malleus and stapes	Ear ossicles
(2) Sternum and ribs	Axial skeleton
(3) Clavicle and glenoid cavity	Pelvic girdle
(4) Humerus and ulna	Appendicular skeleton

Pre-AIPMT 2012

4. Select the correct statement regarding the specific disorder of muscular or skeletal system-
- (1) Myasthenia gravis – Auto immune disorder which inhibits sliding of myosin filaments.
 - (2) Gout – inflammation of joints due to extra deposition of calcium.
 - (3) Muscular dystrophy – age related shortening of muscles.
 - (4) Osteoporosis-decrease in bone mass and higher chances of fractures with advancing age.

NEET-UG 2013

5. Select the correct statement with respect to locomotion in humans :-
- (1) The joint between adjacent vertebrae is a fibrous joint.
 - (2) A decreased level of progesterone causes osteoporosis in old people.
 - (3) Accumulation of uric acid crystals in joints causes their inflammation.
 - (4) The vertebral column has 10 thoracic vertebrae.

AIPMT 2014

6. Select the correct matching of the type of the joint with the example in human skeletal system :-

	Type of Joint	Example
(1)	Cartilaginous joint	Between frontal and parietal
(2)	Pivot joint	Between third and fourth cervical vertebrae
(3)	Hinge joint	Between humerus and pectoral girdle
(4)	Gliding joint	Between carpals

AIPMT 2015

7. Glenoid cavity articulates :-
- (1) Scapula with acromion
 - (2) Clavicle with scapula
 - (3) Humerus with scapula
 - (4) Clavicle with acromion

Re-AIPMT 2015

8. Which of the following is not a function of the skeletal system?
- (1) Locomotion
 - (2) Production of erythrocytes
 - (3) Storage of minerals
 - (4) Production of body heat

9. Which of the following joints would allow no movement?
- (1) Ball and Socket joint
 - (2) Fibrous joint
 - (3) Cartilaginous joint
 - (4) Synovial joint

NEET-II 2016

10. Osteoporosis, an age-related disease of skeletal system, may occur due to :-
- (1) Decreased level of estrogen
 - (2) Accumulation of uric acid leading to inflammation of joints.
 - (3) Immune disorder affecting neuro-muscular junction leading to fatigue.
 - (4) High concentration of Ca^{++} and Na^+ .

NEET-UG 2017

11. Out of 'X' pairs of ribs in humans only 'Y' pairs are true ribs. Select the option that correctly represents values of X and Y and provides their explanation :-
- (1) X = 12, Y = 5 True ribs are attached dorsally to vertebral column and sternum on the two ends.
 - (2) X = 24, Y = 7 True ribs are dorsally attached to vertebral column but are free on ventral side.
 - (3) X = 24, Y = 12 True ribs are dorsally attached to vertebral column but are free on ventral side.
 - (4) X = 12, Y = 7 True ribs are attached dorsally to vertebral column and ventrally to the sternum.
12. The pivot joint between atlas and axis is a type of :-
- (1) Cartilaginous joint
 - (2) Synovial joint
 - (3) Saddle joint
 - (4) Fibrous joint

NEET-UG 2019

13. Select the correct option .
- (1) 8th, 9th and 10th pairs of ribs articulate directly with the sternum.
 - (2) 11th and 12th pairs of ribs are connected to the sternum with the help of hyaline cartilage.
 - (3) Each rib is a flat thin bone and all the ribs are connected dorsally to the thoracic vertebrae and ventrally to the sternum.
 - (4) There are seven pairs of vertebrosteral, three pairs of vertebrochondral and two pairs of vertebral ribs.

NEET-UG 2019 (Odisha)

14. Match the following joints with the bones involved:-

Column - I

- (a) Gliding joint
- (b) Hinge joint
- (c) Pivot joint
- (d) Saddle joint

Column - II

- (i) Between carpal and metacarpal of thumb
- (ii) Between Atlas and Axis
- (iii) Between the carpals
- (iv) Between Humerus and Ulna.

Select the correct option from the following :-

- (1) (a)-(iii), (b)-(iv), (c)-(ii), d-(i)
- (2) (a)-(iv), (b)-(i), (c)-(ii), d-(iii)
- (3) (a)-(iv), (b)-(ii), (c)-(iii), d-(i)
- (4) (a)-(i), (b)-(iii), (c)-(ii), d-(iv)

NEET-UG 2020

15. Match the following columns and select the correct option

Column - I

- (a) Gout
- (b) Osteoporosis
- (c) Tetany
- (d) Muscular dystrophy

Column - II

- (i) Decreased levels of estrogen.
- (ii) Low Ca^{++} ions in the blood.
- (iii) Accumulation of uric acid crystals.
- (iv) Auto immune dystrophy disorder.
- (v) Genetic disorder

- (1) (a)-(ii), (b)-(i), (c)-(iii), (d)-(iv)
 (2) (a)-(iii), (b)-(i), (c)-(ii), (d)-(v)
 (3) (a)-(iv), (b)-(v), (c)-(i), (d)-(ii)
 (4) (a)-(i), (b)-(ii), (c)-(iii), (d)-(iv)

16. Match the following columns and select the correct option

Column - I**Column - II**

- (a) Floating Ribs (i) Located between second and seventh ribs
 (b) Acromion (ii) Head of the Humerus
 (c) Scapula (iii) Clavicle
 (d) Glenoid cavity (iv) Do not connect with the sternum

- | | (a) | (b) | (c) | (d) |
|-----|-------|-------|------|-------|
| (1) | (iv) | (iii) | (i) | (ii) |
| (2) | (ii) | (iv) | (i) | (iii) |
| (3) | (i) | (iii) | (ii) | (iv) |
| (4) | (iii) | (ii) | (iv) | (i) |

NEET-UG 2021

17. Match list - I with list - II

List I		List II	
(a)	Scapula	(i)	Cartilaginous bone
(b)	Cranium	(ii)	Flat bone
(c)	Sternum	(iii)	Fibrous bone
(d)	Vertebral column	(iv)	Triangular flat bone

Choose the correct answer from the options given below

- | | (a) | (b) | (c) | (d) |
|-----|------|-------|-------|------|
| (1) | (i) | (iii) | (ii) | (iv) |
| (2) | (ii) | (iii) | (iv) | (i) |
| (3) | (iv) | (ii) | (iii) | (i) |
| (4) | (iv) | (iii) | (ii) | (i) |

NEET-UG 2022

18. 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 chances 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:

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

Exercise - II (Previous Year Questions)**ANSWER KEY**

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Answer	3	3	3	4	3	4	3	4	2	1	4	2	4	1	2
Question	16	17	18												
Answer	1	4	2												