

PYQSide

NEET LOCOMOTION AND MOVEMENT — SKELETAL SYSTEM: AXIAL AND APPENDICULAR SKELETON — PYQS

Max. Marks: 68

Questions: 17

Section A (MCQ)

- Q.1** Which of the following statements are correct with reference to human endoskeleton?
- Human skull is monocondylic.
 - The joint between any two adjoining vertebrae is a cartilaginous joint.
 - In human beings, the number of cervical vertebrae is seven.
 - All ribs except the last 2 pairs are bicephalic.
 - The occipital bone of skull is articulated with atlas vertebra.

Choose the correct answer from the options given below:

[NEET (UG) 2026]

- (1) C, D and E only (2) B, C and E only
(3) A, B and D only (4) B and E only

Scan or tap for the full solution



- Q.2** Which of the following represents the correct sequence of arrangement of bones in the lower limb of humans?

[RE-NEET (UG) 2026]

- Femur-tarsal-patella-tibia
- Femur-tibia-patella-tarsal
- Patella-femur-tibia-tarsal
- Femur-patella-tibia-tarsal

Scan or tap for the full solution



- Q.3** The number of vertebrae in a human is _____.

[RE-NEET (UG) 2026]

- (1) 206 (2) 7 (3) 12 (4) 26

Scan or tap for the full solution



- Q.4** Which of the following is the correct order of arrangement of vertebral column from the head to toe?

[RE-NEET (UG) 2026]

- Cervical vertebra, thoracic vertebra, lumbar vertebra, sacrum
- Cervical vertebra, thoracic vertebra, sacrum, lumbar vertebra
- Sacrum, lumbar vertebra, thoracic vertebra, cervical vertebra
- Cervical vertebra, lumbar vertebra, thoracic vertebra, sacrum

Scan or tap for the full solution



- Q.5** Match List-I with List-II

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

Choose the correct answer from the options given below

[NEET (UG) 2021]

- (a)-(iv), (b)-(iii), (c)-(ii), (d)-(i)
- (a)-(i), (b)-(iii), (c)-(ii), (d)-(iv)
- (a)-(ii), (b)-(iii), (c)-(iv), (d)-(i)
- (a)-(iv), (b)-(ii), (c)-(iii), (d)-(i)

Scan or tap for the full solution



- Q.6** Match the following columns and select the correct option.

[NEET (UG) 2020]

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)-(ii), (b)-(iv), (c)-(i), (d)-(iii)
- (a)-(i), (b)-(iii), (c)-(ii), (d)-(iv)
- (a)-(iv), (b)-(iii), (c)-(i), (d)-(ii)
- (a)-(iii), (b)-(ii), (c)-(iv), (d)-(i)

Scan or tap for the full solution



Q.7 Select the correct option : [NEET (UG) 2019]

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

Scan or tap for the full solution



Q.8 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.

[NEET 2017]

- (1) X = 12, Y = 5; True ribs are attached dorsally to vertebral column and sternum on the two ends
- (2) X = 24, Y = 2; The 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

Scan or tap for the full solution



Q.9 Which of the following is not a function of the skeletal system? [AIPMT 2015]

- (1) Production of body heat
- (2) Locomotion
- (3) Production of erythrocytes
- (4) Storage of minerals

Scan or tap for the full solution



Q.10 Glenoid cavity articulates [AIPMT 2015 (Cancelled)]

- (1) clavicle with scapula
- (2) humerus with scapula
- (3) clavicle with acromion
- (4) scapula with acromion.

Scan or tap for the full solution



Q.11 Three of the following pairs of the human skeletal parts are correctly matched with their respective inclusive skeletal category and one pair is not matched. Identify the non-matching pair.

[AIPMT 2011 (Prelims)]

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

Scan or tap for the full solution



Q.12 Which one of the following is the correct matching of three items and their grouping category?

[AIPMT 2009]

(1)	Items	Group
	Ilium, ischium, pubis	Coxal bones of pelvic girdle
(2)	Items	Group
	Actin, myosin, rhodopsin	Muscle proteins
(3)	Items	Group
	Cytosine, uracil, thiamine	Pyrimidines
(4)	Items	Group
	Malleus, incus, cochlea	Ear ossicles

Scan or tap for the full solution



Q.13 Which one of the following items gives its correct total number? [AIPMT 2007]

- (1) Types of diabetes-3
- (2) Cervical vertebrae in humans-8
- (3) Floating ribs in humans-4
- (4) Amino acids found in proteins-16

Scan or tap for the full solution



Q.14 In human body, which one of the following is anatomically correct? [AIPMT 2007]

- (1) Collar bones - 3 pairs
- (2) Salivary glands - 1 pair
- (3) Cranial nerves - 10 pairs
- (4) Floating ribs - 2 pairs

Scan or tap for the full solution



Q.15 An acromion process is characteristically found in the [AIPMT 2005]

- (1) pelvic girdle of mammals
- (2) pectoral girdle of mammals
- (3) skull of frog
- (4) sperm of mammals.

Scan or tap for the full solution



- Q.16** Sternum is connected to ribs by [AIPMT 2000]
 (1) bony matter (2) white fibrous cartilage
 (3) hyaline cartilage (4) areolar tissue

Scan or tap for the
full solution



- Q.17** Bone related with skull is [AIPMT 2000]
 (1) coracoid (2) arytenoid
 (3) pterygoid (4) atlas

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	2	4	4	1	1	3	2	4	1	2	2
Ques.	12	13	14	15	16	17					
Ans.	1	3	4	2	3	3					