

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

Max. Marks: 68
Questions: 17

Section A (MCQ) — 17 questions

- 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

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- 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

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

[RE-NEET (UG) 2026]

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

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- 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

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- 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)

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- 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)

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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.

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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

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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

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

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

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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)]

Pair of skeletal parts	Category
(1) Sternum and ribs	Axial skeleton

Pair of skeletal parts	Category
(2) Clavicle and glenoid	Pelvic girdle

Pair of skeletal parts	Category
(3) Humerus and ulna	Appendicular skeleton

Pair of skeletal parts	Category
(4) Malleus and stapes	Ear ossicles

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

[AIPMT 2009]

Items	Group
(1) Ilium, ischium, pubis	Coxal bones of pelvic girdle

Items	Group
(2) Actin, myosin, rhodopsin	Muscle proteins

Items	Group
(3) Cytosine, uracil, thiamine	Pyrimidines

Items	Group
(4) Malleus, incus, cochlea	Ear ossicles

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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

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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

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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.

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

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full solution



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

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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					