

WBJEE JEMScN Anatomy and Physiology Questions & Answers



Anatomy and Physiology

1. How many bones does an adult human skeleton have?

- a) 206
- b) 209
- c) 207
- d) 205

Answer: the a

2. Name the four classes of bones?

- a) Long, short, regular, irregular
- b) Big, small, flat, bulged
- c) Long, Short, Flat, and Irregular
- d) Big, small, regular, irregular

Answer: c

3. Name the two kinds of tissues present in the bone?

- a) Cancellous tissue and non-compact tissue
- b) Compact tissue and noncompact tissue
- c) Compact tissue and cancellous tissue
- d) Noncompact tissue and cancellous tissue

Answer: c

4. Which of the following connective tissue envelopes the bone?

- a) Periosteum
- b) Pericardium
- c) Myocardium
- d) Marrow

Answer: a

WBJEE JEMScN Anatomy and Physiology Questions & Answers



5. Spongy bones do not have a Haversian system.

- a) False
- b) True

Answer: b

6. Which cell secretes the matrix for bone formation?

- a) Osteoclastoma
- b) Osteoclast
- c) Mesoblasts
- d) Osteoblasts

Answer: d

7. Which of the following are two types of bone marrow?

- a) Red marrow and yellow marrow
- b) Red marrow and white marrow
- c) Yellow marrow and white marrow
- d) White marrow and blue marrow

Answer: a

8. The vertebrae in the upper three regions of the column remain distinct throughout life and are known as true or movable vertebrae.

- a) True
- b) False

Answer: a

9. Which of the following is the largest segment of the movable part of the vertebral column?

- a) Coccygeal
- b) Cervical
- c) Lumbar vertebrae
- d) Thoracic

Answer: c

WBJEE JEMScN Anatomy and Physiology Questions & Answers



10. Choose the correct vertebral formula of the vertebral column of the human being.

- a) C7 Th13 L4 S5 Co4
- b) C7 Th12 L5 S5 Co4
- c) C7 Th13 L5 S5 Co4
- d) C7 Th12 L5 S5 Co4

Answer: d

11. Which vertebra has an odontoid process?

- a) Atlas
- b) Axis
- c) Cervical
- d) Coccyx

Answer: b

12. Which of the following is the vestigial bony part of the human skeleton?

- a) Cervical
- b) Cranium
- c) Clavicle
- d) Coccyx

Answer: d

13. The joint between atlas and axis is _____

- a) Ball and socket joint
- b) Saddle joint
- c) Pivot joint
- d) Angular joint

Answer: c

14. The major function of intervertebral discs is to _____

- a) Absorb shock
- b) String the vertebrae together
- c) Prevent injuries

WBJEE JEMScN Anatomy and Physiology Questions & Answers



d) Prevent hypertension

Answer: a