

Introduction to Anatomy and Gross Anatomy of the Upper Limbs

Anatomy · Answer Key · 20 Questions

1. What is the primary definition of anatomy according to the text?

- A) The study of the function of the body.
- B) The study of the structure of the body.**
- C) The study of the development of the body.
- D) The study of the diseases of the body.

2. Who is considered the "father of anatomy" and was one of the first to dissect the human body?

- A) Hippocrates
- B) Claudius Galen
- C) Herophilus**
- D) Andreas Vesalius

3. Which anatomist is regarded as the "Founder of Modern Anatomy" for his systematic study and correction of erroneous concepts?

- A) Leonardo da Vinci
- B) William Harvey
- C) Andreas Vesalius**
- D) Mondino de Liuzzi

4. What is the anatomical position?

- A) Standing with arms crossed and head bowed.
- B) Lying on the back with arms and legs spread.
- C) Erect posture with face forward, feet parallel, and arms at sides with palms forward.**
- D) Sitting with legs crossed and hands on lap.

5. Which plane divides the body into superior and inferior parts?

- A) Coronal plane
- B) Sagittal plane
- C) Transverse plane**
- D) Median sagittal plane.

6. What are the four basic types of tissues in the human body?

- A) Epithelial, muscle, nervous, and connective tissues.**
- B) Bone, cartilage, blood, and fat tissues.
- C) Dermal, vascular, muscular, and neural tissues.
- D) Somatic, visceral, skeletal, and smooth tissues.

7. Which system consists of the heart and blood vessels?

- A) Nervous system
- B) Skeletal system
- C) Cardiovascular system**
- D) Digestive system.

8. What is the function of the skeletal system?

- A) To pump blood throughout the body.
- B) To control voluntary and involuntary actions.
- C) To provide structure, support, and protection, and to form blood cells.**
- D) To break down food and absorb nutrients.

9. Which bones form the pectoral girdle?

- A) Humerus and Ulna
- B) Clavicle and Scapula**
- C) Femur and Tibia
- D) Radius and Carpals.

10. Which joint is a synovial ball and socket articulation between the humerus and the scapula?

- A) Sternoclavicular joint
- B) Acromioclavicular joint
- C) Glenohumeral joint**
- D) Elbow joint.

11. What are the three main joints of the shoulder complex?

- A) Sternoclavicular, Acromioclavicular, and Glenohumeral joints.**
- B) Humeroulnar, Humeroradial, and Proximal radioulnar joints.
- C) Radiocarpal, Intercarpal, and Carpometacarpal joints.
- D) Glenohumeral, Acromioclavicular, and Elbow joints.

12. The cubital fossa is a triangular depression located anterior to which joint?

- A) Shoulder joint
- B) Wrist joint
- C) Elbow joint**
- D) Hip joint.

13. Which nerve does NOT pass through the cubital fossa?

- A) Radial nerve
- B) Median nerve
- C) Ulnar nerve**
- D) Musculocutaneous nerve.

14. What are the two main bones of the forearm?

- A) Humerus and Radius
- B) Ulna and Carpals
- C) Radius and Ulna**
- D) Metacarpals and Phalanges.

15. Which muscles are primarily located in the posterior compartment of the arm and are responsible for extending the elbow?

- A) Biceps brachii, Brachialis, Coracobrachialis
- B) Triceps brachii**
- C) Deltoid, Teres major, Supraspinatus
- D) Pectoralis major, Pectoralis minor, Subclavius.

16. The "anatomical snuff box" is bordered medially by the tendon of which muscle?

- A) Extensor Pollicis Brevis (EPB)
- B) Abductor Pollicis Longus (APL)
- C) Extensor Pollicis Longus (EPL)**
- D) Brachioradialis.

17. Which major nerve runs through the carpal tunnel and can be compressed, leading to carpal tunnel syndrome?

- A) Ulnar nerve
- B) Radial nerve
- C) Median nerve**
- D) Axillary nerve.

18. The superficial palmar arch is mainly formed by the continuation of which artery?

- A) Radial artery
- B) Deep brachial artery
- C) Axillary artery
- D) Ulnar artery.**

19. Which superficial vein ascends on the ulnar side of the forearm and pierces the deep fascia in the arm to join the axillary vein?

- A) Cephalic vein
- B) Median cubital vein
- C) Basilic vein**
- D) Dorsal venous arch.

20. According to the dermatome map, which spinal nerve root primarily supplies the thumb and the lateral side of the forearm?

A) C5

B) C6

C) C7

D) C8.