

**Mid-Term Assignment/Paper (spring -020)  
Human Anatomy-II  
BS Radiology Sec-A 2<sup>nd</sup> Semester)  
Instructor: Dr. M.Jaffar**

**Time: 48-hours**

**Max Marks: 30**

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**Q.1** What is cubital fossa? Write the contents of cubital fossa.

**Q.2** Write the names of ARM, fore arm (anterior compartment and posterior compartment) and hand muscles with action.

**Q.3** What is cranium? Write the number of bones in skull and face.

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**Class section.A**

**Semester.2<sup>nd</sup>**

**paper. Human Anatomy**

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**QN.(1) .what is cubital fossa? Write the content of cubital fossa.**

*Ans. **Cubital fossa...** cubital fossa is an area of transition between the anatomical arm and the forearm.*

- *Cubital fossa located as a depression on the anterior surface of the elbow joint .*
- *Cubital fossa is triangular shape area or depression situated in relation to the ventral surface of the forearm and contain important neurovascular structure*
- *Cubital fossa has Superior. Medial and lateral border*
- *Superior border*
- *It is also known as base of the cubital fossa*
- *Formed by an imaginary line*
- *Medial border*
- *This border of the triangle is formed by the pronator teres muscle*
- *Lateral border*
- *This triangle is formed at the boundary by the brachioradialis muscle*
- ***Content of cubital fossa.***
- *The cubital fossa contain four structure which form medial to lateral are..*
- *The median nerve*

*The branchial artery*

- *The tendon of biceps brachii*
  - *The radial nerve*
  - *The remembering the cubital fossa is incredibly easy if we use the following mnemonic*
  - *Median nerve*
  - *Branchial artery*
  - *Tendon of biceps*
  - *Radial nerve*
- ❖ *Within the cubital fossa the branchial artery bifurcates to form two more arteries. These arteries are the radial artery and the ulnar artery. These two arteries are named and situated in accordance with the radial and ulnar bones of the forearm.*
- ❖ *The fascia forming the roof also continues the median cubital vein.*

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**QN.3 .what is cranium.write the number of bone in skull and face.?**

**Ans... *cranium..***

- *The cranium is also known as neurocranium.*
- *Is formed by the superior aspect of the skull.*

- *It protects the brain and meaning etc*
- *Anatomically the cranium is divided into roof and base.*
- *Calvaria comprised of the frontal and occipital and two parietal bone*
- *Cranial base. Comprised of six bone .*

- *Number of bone in skull and face.*
- *Bone of the skull. 8*
- *Bone of face 14*
- *The skull is the bony skeleton that protect the brain and face.*
- *The bone of the cranium can be grouped in to two .. cranium and face.*
- *In the cranium has six bone .ethmoid bone.frontal bone.sphenoid bone.occipital and parietal bone. And temporal bone.*
- *The face has zygomatic Bone.maxilla.nasal.lacrimal.mandibular..*

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*QN.2.write the name of arm,forarm(anterior compartment and posterior compartment) and hand muscle with action ?*

*Ans.. muscle of arm.*

- ***FLAXOR COMPARTMENT***

*Biceps brachia*

*Coracho brachialis*

*Brachialis*

- ***EXTENSOR COMPARTMENT***

*Triceps*

- ❖ ***Musle of forearm***

*.The fore arm is divided into two compartment which are the following*

- ❖ ***. Anterior compartment***

- ***Superficial***

- 1. Pronator Terese*
- 2. Flx carpiulnaris*
- 3. Palmaris longus*
- 4. Flx carpi Radial*
- 5. Flx Digitorum superficial*

- ***Deep***

- 1. Flx .Digiturum profundus*
- 2. Flx policies longus*

### 3. *Pronator quadratus*

#### ❖ ***Posterior compartment***

- *This part is divided into the following compartment..*
- ***Superficial***
  1. *Anconeus*
  2. *Brachardialis*
  3. *Ext. Carpi Radialis longus*
  4. *Ext carpi Radial brevis*
  5. *Ext Digitorum*
  6. *Ext digiti minami*
  7. *Ext carpi ulnarise*
- ***Deep***
  1. *Abductor pollicis longus*
  2. *Ext pollicis brevis*
  3. *Ext indicis*

## ***. MUSCLE OF HAND WITH ACTION***

- *Muscle acting on the hand can be divided into two groups.*
- ***Extrinsic muscle***
- *They are located in the Anterior and posterior compartment of fore arm .*

- ***Intrinsic muscle***
- *They are located within the hand.*
- *They are responsible for motor function of the hand.*
- *This hand muscle are divided into the type.*
- ***Tenor muscle***
- *The tenor muscle are three short muscle located in Base of hand.*

1. *Abductor pollicis brevis*

2. *Flex pollicis brevis*

3. *Opponeus pollicis*

- ***Hypothenar muscle.***

1. *Palmaris brevis*

2. *Abductor digiti minimi*

3. *Flex digiti minimi*

- ***Abductor pollicis brevis***

- *This muscle located under the skin.*

- *It is thinner muscle*

- *Its action is the abduction of carpo metacarpal joint*

- ***Flex pollicis brevis***

- *Its action to the flex of thumb at carpometacarpal joint*

- ***Opponeus pollicis***

- *It is the small triangular muscle in the hand which oppose the thumb combination*

- ***Abductor pollicis***

- *It is the muscle of the hand which adduct the hand the prox. phalanx of the thumb.*

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##### THE END #####