

Physiology Essay Questions Of Third Week

- Give A short account on Causes after Depolarization
 - Give A short account on Causes after hyper polarization
 - Give A short account on All Or Non rule and when we can apply it and when we can't
 - Give A short account on local excitability state
 - Define The Excitability
 - What Are the four types of stimuli
 - Why the electrical stimulus is preferred
 - What are the Types of Electrical stimulus
 - What are the factors affecting the effectiveness of the stimulus
 - What is the ``Rheobase``
 - What is the `` Utilized time``
 - What is the ``Chronaxie``
 - What Are the factors affecting the excitability of nerve fiber
 - What are the *membrane stabilizers*
 - Procaine (Anaesthetic) – Lack of O₂ and Increase of CO₂ – Increase of Alkalinity – Lack of Acidity
 - Define (Adaptation – Infatigability– Conductivity–compound action potential)
 - Mention and explain The two types of conductivity
 - Define and mention the value of salutatory conduction
 - Give A short account on Absolute refractory period
 - Give A short account on Relative refractory period
 - Give A short account on Super Normal Phase
 - Give A short account on Sub normal phase
 - Give A short account on Chemical changes During Rest and Activity
 - Give A short account on Thermal changes Initial and delayed heat
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- We can be stated that the larger the diameter, the greater is the velocity of conduction, the bigger is the magnitude of action potential & the shorter is the duration of the spike, Discuss.
 - Write a short note on “All or None Rule.”

- **What** is meant by local excitatory state?
- **What** are properties of the nerve?
- **The effectiveness** of the stimulus depends on..... (Complete).
- **Concerning** (the strength-duration curve) define: minimal time of stimulation, rheobase, chronaxie, & utilization time.
- **What** are uses of such curve?
- **What** are factors affecting excitability?
- **What** is meant by nerve block?
- **Define** membrane stabilizers.
- **Give a short account** on saltatory conduction.
- **Write notes on** adaptation & infatigability of nerve.
- **Talk about the excitability changes, chemical changes & thermal ones?**
- **NB** During the redistribution of ions we restore the **electrical conditions** Not the ionic conditions

Anatomy Essay Questions Of Third Week

- **NB** (Revise veins of upper limb from ASM papers)
- (Flexor retinaculum = carpal ligament)
- (Supra glenoid Tubercle is **An intra capsular-Extra synovial structure**)
- **Pisiform** (sesamoid bone –embedded in the tendon of flexor carpi ulnaris)
- **Scaphoid**(longest bone in proximal row and this is the most bone can be fractured)
- The first compartment of extensor retinaculum lies in **the lateral aspect of styloid process of Radius**
- **Extensor expansion** give attachments to the lumbricals and the interossei And help in the writing position with the lumbricals
- Lumbricals attached to the lateral aspect of the tendons of flexor digitorum profundus
- In case of **injury of axillary nerve** we can't perform abduction and w lose sensation of deltoid muscle
- **Give a short account on** The cutaneous nerve supply in the palm and the dorsum of the hand
- **Give a short account on** flexor and extensor retinaculum and the structures attached to them
- **Give a short account on** the skeleton of hand
- **Give a short account on** palmar aponeurosis
- **Give a short account on** extensor expansion
- **Give a short account on** Thenar and hypothenar muscles and their action

- Give a short account on lumbricals and interossei muscles
- Give a short account on the nerve supply of hand
- Give a short account on the radial and ulnar arteries in the hand
- Give a short account on the Median and ulnar nerves in hand
- Give a short account on The branches of median nerve (In forearm and hand)
- Give a short account on The branches of Ulnar nerve (In forearm and hand)
- Give a short account on The branches of musculocutaneous nerve
- Give a short account on The branches radial nerve
- What is the type of shoulder joint
- Give a short account on the articular surface of shoulder joint
- Give a short account on labrum glenoidale
- Give a short account on the capsule of shoulder joint
- Give a short account on the synovial membrane of shoulder joint
- Give a short account on the movement of shoulder joint
- Give a short account on the nerve supply of shoulder joint
- Give a short account on the factors affecting the stability of shoulder joint
- Give a short account on the capsule of Elbow joint
- Give a short account on the cubital Articulation of Elbow joint
- Give a short account on The ligaments of Elbow joint
- What is the type of superior-radio ulnar joint
- Give a short account on The ligaments of superior-radio ulnar joint
- What are the muscles involved in elbow flexion and (Elbow extension)
- What is the type of superior-radio Wrist joint
- Give a short account on The articulating surface of Wrist joint
- Give a short account on The ligaments of Wrist joint
- What are the muscles involved in supination of superior-radio ulnar joint
- Give a short account on Middle and inferior-radio ulnar joint
- Give a short account on short joints of hand
- Compare between shoulder, elbow, radioulnar & wrist joints according to their type of joints.
- Differentiate between the 4 different groups of hand muscles according to their action.

- Write a note on vessels found in the hand.
 - What is meant by flexor retinaculum, extensor retinaculum, & extensor expansion?
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Histology Essay Questions Of Third Week

- Compare between protoplasmic & fibrous astrocytes concerning their sites, processes, GFAP & granules.
- What are the functions of astrocytes?
- Enumerate different neuroglia found in CNS.
- Compare between different types of neuroglia found in CNS concerning origin, size & shape, cytoplasm, nuclei, & function.
- Write a SHORT note on Wallerian degeneration.