



# الطب والجراحة لجنة

MSS Final Exam

دفعه نبض ٢٠١٩

مقسم فسيو

1) In the visceral smooth muscle?

Select one:

- A. Stretch cannot induce a contraction
- B. Contain myosin kinase and phosphatase enzymes ✓✓✓
- C. Its function is not affected by the autonomic nervous system
- D. The fibers show high electric resistance in-between them
- E. Contain troponin-T

11) The distance between Z-lines is equivalent to the length of the?

Select one:

- A. Sarcomere ✓✓✓
- B. M line
- C. A band
- D. H band
- E. I band

24) Rigor mortis is caused by?

Select one:

- A. Increase  $Ca^{++}$  in ECE
- B. Decrease in ICE.
- C. increase lactic acid,
- D. Depletion of ATP ✓✓✓
- E. Decrease ADP

33) To decrease heat loss in cold exposure?

Select one:

- A. V.C of skin blood vessels, counter current exchanger occurs in femoral artery and deep veins of lower Limbs and Curling the body occurs. ✓✓✓
- B. V.C of skin blood vessels occurs.
- C. V.D of skin blood vessels occurs.

D. Counter current exchanger occurs in femoral artery and deep veins of lower limbs.

E. Curling the body.

46) For hypocalcaemia, all of the following are correct except?

Select one:

A. It manifests as a symptom of unusually low magnesium levels

B. Hypocalcaemia may be associated with high levels of inactive PTH

C. It is the presence of low serum calcium levels in the blood

D. It manifests as a symptom Of a (PTH) deficiency/malfunction

E. It manifests as a symptom of a high Vitamin D levels ✓ ✓ ✓

63) Smooth muscle contractility is characterized by ?

Select one:

A. Rapid cycling of cross bridges

B. Low O<sub>2</sub> consumption

C. Slow cycling of cross bridges, low both energy & O<sub>2</sub> consumption ✓ ✓ ✓

D. Low energy consumption

E. Slow cycling of cross bridges

68) Stair-case phenomenon?

Select one:

A. May caused by cooling of the muscle.

B. May occur in skeletal and cardiac muscle. ✓ ✓ ✓

C. May be caused by increase K<sup>+</sup> and increase Na<sup>+</sup> intracellularly.

D. May be caused by increase K<sup>+</sup> and decrease Na<sup>+</sup> intracellularly.

E. May be caused by increase K<sup>+</sup> and increase Ca<sup>++</sup> intracellularly.

71) Smooth muscle are characterized by all the following EXCEPT?

Select one:

A. Contains Calmodulin instead of troponin

B. Its membrane potential is unstable

C. Have a resting membrane potential is about -50mV

D. They are relaxed by acids and excess calcium

E. Its contraction increased with warming ✓✓✓