

First Year MBBS Examination

Date: 01-10-2021

1020 E413

I MBBS Physiology Paper 1

Time: 3 hours

Max

Marks: 50

Instructions: 1. Answer to the points. 2. Use separate answer books for each section. 3. Draw diagrams wherever necessary.

Section 1

1. Explain what will happen and why? (10)

- a. If acetylcholinesterase is blocked in neuromuscular junction.
- b. When warm water is put in left ear
- c. To plantar reflex in upper motor neuron lesion.
- d. To the left eye when light is projected in right eye.
- e. To interstitial fluid volume in Filariasis.

2. Describe: (8)

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- a. Connections and function of basal ganglia

b. Dark adaptation

3. Explain with help of diagram: (8)

a. Ovarian cycle

b. Pain pathway

4. Write notes on following (8)

a. Impedance matching

b. Ovulation

Section 2

5. Mention differences between (any two) (8)

a. Diabetes mellitus and diabetes insipidus.

b. Pyramidal and extrapyramidal system.

c. Rheobase and chronaxie.

6. Draw labeled diagram of the following (any two) (8)

a. Light reflex pathway

b. Mechanism of action of hormones

c. Organ of corti

7. Describe : (6)

a. Actions of parathyroid hormone

b. Somatomedin C

8. Write short notes on: (4)

- a. Actions of estrogens
- b. Addison's syndrome.

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