

Date: 08-07-2011

0711 E040

**First Year MBBS Examination
I MBBS Physiology Paper 2**

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. Give an account of any TWO of the following (10)
 - a. Nerve fibre types and function.
 - b. Properties of synapse.
 - c. Endocochlear potential.
2. Write Short notes of (any two) (6)
 - a. Oxytocin
 - b. Calcitonin
 - c. Renin
3. Answer any one (3)
 - a. LH Surge

b. Corpus Luteum

4. Discuss Any TWO (6)

a. Bile salt

b. Enterohepatic circulation

c. Enteric Nervous system

Section 2

1. Write Short notes on (any two) (10)

a. Inverse stretch reflex

b. Spinothalamic pathway

c. Hypothalamus role in autonomic nervous system control.

2. Write Short notes on (any two) (6)

a. Impedance matching

b. Color vision

c. Retina functions.

3. Answer any one (3)

a. Properties of cardiac muscle

b. Ionic basis of nerve action potential

4. Give your comments with justification of Any SIX (6)

a. Knee jerk in upper motor neuron lesion.

b. Gall bladder pain refer to shoulder.

- c. Afterload effect cardiac output.
- d. Cretinism.
- e. Plasma proteins as buffer.
- f. Hyperkalemia correct quickly.
- g. Salivary amylase in starch digestion.
- h. Iron transport from gut to blood circulation.
- i. Tympanic reflex is a protective reflex.

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