

0112 E055

First Year MBBS Examination

I MBBS Physiology Paper 2

Date: 09-01-2012 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. Write briefly on (any two): (10)
 - a. Molecular basis of skeletal muscle contraction
 - b. Neurological basis of ataxias
 - c. Colour vision
 2. Write briefly on (any two): (6)
 - a. Goitres
 - b. Regulation of Insulin
 - c. Sympathoadrenal system
 3. Write briefly on (any on: (3)
 - a. Hormones acting on mammary gland
 - b. Functions of placenta
 4. Write briefly on (any on: (6)
 - a. Functions of liver
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- b. Small intestinal movements
- c. Hydrochloric acid secretion in the stomach

Section 2

1. Write briefly on (any two): (10)
 - a. REM sleep
 - b. Synaptic transmission
 - c. Parkinsonism
2. Write briefly on (any two): (6)
 - a. Dark adaptation
 - b. Endocochlear potentials
 - c. Olfactory pathway
3. Write briefly on (any on: (3)
 - a. Muscle tone
 - b. Wallarian degeneration
4. Write answers in two or two sentences (any six): (6)
 - a. Touching the injured area gives relief.
 - b. Consensual light reflex.
 - c. Acute stress causes dryness of mouth.
 - d. Causes of latent period.
 - e. Blood testes barrier.
 - f. Lower jaw, hands and feet are enlarged in acromegaly.

 - g. Hyperpigmentation of skin occurs in

Addisonâ€™s disease.

h. Jaundice in newborn infants.

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