

Date: 09-07-2012

0712 E057

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. Write briefly on (any two): (10)
 - a. Excitation-contraction coupling in skeletal muscle
 - b. Aphasia
 - c. Dark adaptation
 2. Write briefly on (any two): (6)
 - a. Addison's disease
 - b. Prolactin
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c. Regulation of blood glucose

3. Write briefly on (any on: (3)

a. Hormonal regulation of menstrual cycle

b. Spermatogenesis

4. Write briefly on (any on: (6)

a. Deglutition reflex

b. Functions of bile

c. Regulation of gastric secretion

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Section 2

1. Write briefly on (any two): (10)
 - a. Cerebellar ataxia
 - b. E.E.G. during sleep
 - c. Ascending tracts
 2. Write briefly on (any two): (6)
 - a. Accommodation reflex
 - b. Functions of middle ear
 - c. Otolith organs
 3. Write briefly on (any on: (3)
 - a. Saltatory conduction
 - b. Sarcomere
 4. Write answers in two or two sentences (any six): (6)
 - a. Blood brain barrier.
 - b. Kernicterus.
 - c. Phantom limb
 - d. Sympathetic gangli
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- e. Mental retardation occurs in cretinism.
- f. Functions of cones.
- g. Physiological jaundice.
- h. Exophthalmos in hyperthyroidism.

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