

0819 E408

First Year MBBS Examination

I MBBS Physiology Paper 2

Date: 01-08-2019 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. Explain how fats are absorbed. Add a note on Steatorrhea
 - b. Biological effects of thyroid hormones
 - c. Neuromuscular junction transmission blockers
 2. Write Short notes on (any two) (6)
 - a. Mechanism of hormone action
 - b. Hormones regulating serum calcium levels
 - c. Actions of cortisol hormone
 3. Write briefly on any one (3)
 - a. Spermatogenesis
 - b. Ovarian hormones
 4. Write briefly on only two (6)
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- a. Enterohepatic circulation of bile salts
- b. Different movements of small intestine
- c. Mass reflex

Section 2

1. Write briefly on (any two) (10)
 - a. Properties of synapses
 - b. Tests used to check the coordination of muscle activity
 - c. Stretch and Inverse Stretch reflex
 2. Write briefly on (any two) (6)
 - a. Errors of refraction
 - b. Transmission of sound waves on Cochlea
 - c. Taste buds. Add a note on major taste modalities
 3. Write briefly on any one (3)
 - a. Different types of skeletal muscle contractile proteins
 - b. Molecular basis of smooth muscle contraction
 4. Describe briefly in 2-3 sentences (any six): (6)
 - a. Migrating myoelectric complex (MM)
 - b. Jaundice
 - c. Sympathetic and parasympathetic nervous system blockers
 - d. Deafness
 - e. Osteomalacia
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- f. Rods and cones
- g. Analgesia system
- h. Cretinism

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