

Date: 30-07-2018

0718 E287

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. What is Jaundice? Write about entero-hepatic circulation
- b. Describe mechanism of speech. Classify speech disorders
- c. Parkinson's disease

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

- a. G protein linked hormone receptors
- b. Synthesis of thyroxine
- c. Metabolic functions of insulin

3. Write briefly on only two (3)

- a. Parental hormones
- b. Acrosome reaction

4. Discuss Any TWO (6)

- a. Function of bile salts in fat metabolism
- b. Defecation reflex
- c. Functions of Saliva

Section 2

5. Write Short notes on (any two) (10)
 - a. Analgesia system in CNS
 - b. Functions of Hypothalamus
 - c. Blood Cerebrospinal fluid barriers
6. Write Short notes on (any two) (6)
 - a. Endocochlear potential
 - b. Error of refraction
 - c. Depth perception
7. Write short note on (3)
 - a. Fast versus slow muscle fibers
 - b. Transmission of impulse at neuro-muscular junction
8. Give your comments with justification of Any SIX: (6)
 - a. Cholecalciferol
 - b. Light reflex
 - c. Sarcomere
 - d. Broca's area
 - e. Fast pain
 - f. LH surge
 - g. Accoucheur's hand
 - h. Secretin