

Date: 07-01-2019

0119 E319

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) Peptic ulcer- Definition, causes and Mucosal Protective Mechanism
- b) Diabetes Mellitus: Definition causes, and hormonal Regulation of Glucose Metabolism
- c) Disease of Neuromuscular junction

2. Write briefly on (any two) (6)

- a) Hypothalamo - Hypophyseal axis
- b) Action of thyroid Hormone on Growth and Development
- c) Regulation of Glucocorticoid secretion

3. Write briefly on any one (3)

a) Role of Oxytocin in Parturition

b) Actions of Testosterone

4. Write briefly on (6)

a) Functions of Liver

b) Nerve supply of GIT

c) Vomiting mechanism

Section 2

5. Write briefly on (any two) (10)

a) Properties of Receptors

b) Muscle spindle: Structure and functions

c) Differences between UMN lesion and LMN Lesion

6. Write briefly on (any two) (6)

a) Differences between Rods and cones

b) Functions of middle ear

c) Structure of A taste bud

7. Write briefly on any one (3)

a) Motor unit

b) Molecular basis of smooth muscle contraction

8. Describe briefly in 2-3 sentences (any six):
(6)

a) Basal electrical Rhythm

- b) Steatorrhoea
- c) Dale's vasomotor Reversal
- d) Tympanic reflex
- e) Presbyopia
- f) Referred Pain
- g) Dwarfism
- h) Night blindness

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