

0713 E055

First Year MBBS Examination

I MBBS Physiology Paper 2

Date: 08-07-2013

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. Cataract
- b. Rigor mortis
- c. Upper motor neuron lesion

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

- a. Syndrome of Inappropriate ADH (SIADH)
- b. Actions of glucocorticoid hormone
- c. Hormonal regulation of glucose in blood

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

- a. Puberty: True, Pseudo and Precocious
- b. Functions of sertoli cells

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

- a. Gastric emptying time and factors affecting
- b. Enterohepatic circulation
- c. Mechanism of gastric acid secretion

Section 2

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

- a. Effect of complete and incomplete transection of spinal cord
- b. Properties of sensory receptors
- c. CSF: Source, Route, Functions, Absorption, Volume and Pressure

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

- a. Spherical and chromatic aberration
- b. Otolith organs
- c. Taste buds

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

- a. Latch phenomena in smooth muscles
- b. Factors affecting conduction velocity of nerve

8. Write answers in two or two sentences (any six): (6)

- a. True and pseudo hermaphroditism.
- b. Thyroid storm. (untreated hyperthyroidism-severe effects)
- c. Myasthenia gravis.
- d. Parasympathetic action in anaboli
- e. Astigmatism.
- f. Intention tremor.
- g. Migrating motor complex.
- h. Glaucoma

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