

Date: 07-07-2014

0714 E055

## **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. Refractive errors (1004)
- b. Myasthenia gravis (212)(65)
- c. Contraceptive methods (513)

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

- a. Hormone regulating calcium level(423)(563)
- b. Synthesis of thyroxine hormone
- c. Functions of cortisol

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

- a. LH surge
- b. Endocrine functions of testis

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

- a. Dietary fibres (288)
- b. Functions of gastrin hormone
- c. Movements of small intestine (278)(501)

## Section 2

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

- a. Effect of complete and incomplete transection of spinal cord (854)
- b. Properties of sensory receptors (809)(797)
- c. CSF: Source, Route, Functions, Absorption, Volume and Pressure (984)(773)

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

- a. Spherical and chromatic aberration
- b. Otolith organs (955)(920)
- c. Taste buds (1060)(947)

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

- a. Latch phenomena in smooth muscles (208)
- b. Factors affecting conduction velocity of nerve (765)

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

(6)

- a. True and pseudo hermaphrodisim. (473) (629)
- b. Thyroid storm. (untreated hyperthyroidism-severe effects)
- c. Myesthenia gravis. (212)(65)
- d. Parasympathetic action in anaboli
- e. Astigmatism. (1041)
- f. Intention tremor. (886)
- g. Migrating motor complex. (278)
- h. Glaucoma (1010)

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