

Date: 30-12-2017

1217 E045

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 of the following (10)
 - a. What is brown Sequard syndrome? What sensory changes occur below the level of lesion?
 - b. A 45 year old man has difficulty in reading books and is able to read only at greater distance than the normal. What is this condition called? How is it corrected?
 - c. What are the clinical features of Cushing syndrome?
2. Write Short notes of (any two) (6)
 - a. Cretinism

- b. Actions of aldosterone
- c. Mechanism of action of insulin
- 3. Write short notes on any one (3)
 - a. Tests for ovulation
 - b. Functions of sertoli cells
- 4. Discuss Any TWO (6)
 - a. Composition of saliva
 - b. Secretin
 - c. Functions of large intestine

Section 2

- 5. Write Short notes on (any two) (10)
 - a. Fight or flight response
 - b. Pain pathway
 - c. Functions of thalamus
 - 6. Write Short notes on (any two) (6)
 - a. Olfactory pathway
 - b. Organ of Corti
 - c. Accommodation reflex
 - 7. Write short notes on any one (3)
 - a. Myasthenia gravis
 - b. Sarcomere
 - 8. Give your comments with justification of Any SIX: (6)
 - a. Weber Fechner law
 - b. Motor aphasia
 - c. Two functions of neuroglia
 - d. Chronaxie
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- e. Permissive action
- f. Accoucherâ€™s hand
- g. Law of peristalsis
- h. Cryptochidism

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