

0111 E25

First Year MBBS Examination

I MBBS Physiology Paper 2

Date: 07-01-2011 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. Drug actions on Neuromuscular junction
 - b. Brown sequard syndrome
 - c. Errors of refraction
 - 2. Write Short notes of (any two) (6)**
 - a. Posterior pituitary hormones
 - b. Parathyroid hormone
 - c. Actions of mineralocorticoids
 - 3. Answer any one (3)**
 - a. Tests for ovulation
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b. Testosterone

4. Discuss Any TWO (6)

- a. Role of pancreatic juice in digestion
- b. Bile
- c. Functions of gastric juice

Section 2

5. Write Short notes on (any two) (10)

- a. Classify receptors, list its properties and explain any two
- b. Pyramidal tracts
- c. Role of hypothalamus in feeding behavior and thirst mechanism

6. Write Short notes on (any two) (6)

- a. Functions of middle ear
- b. Visual pathway
- c. Taste sensation

7. Answer any one (3)

- a. Excitation contraction coupling
- b. List properties of nerve fibre and explain any one

8. Give your comments with justification of

Any SIX (6)

- a. Babinski's sign is positive in children before they start walking.
- b. Cardiac pain referred to left shoulder.
- c. Free loading increases the work done by the muscle.
- d. Diabetes insipidus.
- e. Hypothyroidism should be detected as early as possible.
- f. Salivary secretion plays a role in maintaining healthy oral tissue.
- g. For night blindness to occur, a person must remain on a vitamin A deficient diet for months. (VIT A RESERVES)
- h. Strong noxious stimulus produces prolonged withdrawal response.
