

Prelim

First Year MBBS Examination

I MBBS Physiology Paper 2

Time: 3 hours

Date: 05-

08-2014

Max Marks: 50

Instructions: 1. Answer to the points. 2. Figure to the right indicates marks. 3. Use separate answer books for each section. 4. Draw diagrams wherever necessary. 5. Write legibly.

Section 1

1. Write short notes on: (any two) (10)
 - a. Write in detail about disorders of growth hormone
 - b. Write in detail about spermatogenesis
 - c. Actions of thyroid hormone
2. 2A. Write Short notes on (any two) (6)
 - a. Role of kidney in maintain acid base balance
 - b. Micturition reflex
 - c. Renal function test
3. 28. Write briefly on any 1 (3)
 - a. Organ of Corti

- b. Pupillary reflexes
- 4. Write Short notes on (any two) (6)
 - a. Pathway for taste sensation
 - b. Types of deafness
 - c. Errors of refraction

Section 2

- 1. Write in detail on (any two) (10)
 - a. Basal Ganglia
 - b. Write in detail about corticospinal tract with its functions
 - c. Write in detail about monosynaptic stretch reflex
 - 2. 5A. Write Short notes on (any two) (6)
 - a. REM sleep
 - b. Pain pathway and mechanism of a pain
 - c. Aphasia
 - 3. 58. Write briefly on any 1 (3)
 - a. Labelled line principle
 - b. Spinal shock
 - 4. Write Justification of following statements: (any six) (6)
 - a. What do you mean by making in relation to auditory system?
 - b. Why there is hyper reflexia in upper motor neuron lesion?
 - c. Why thumb have more representation in sensory cortex?
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- d. Babinski's sign is positive in infants
- e. Why basal body temperature rises after ovulation?
- f. Intention tremor in cerebellar disease
- g. Myelination increases conduction velocity in nerves
- h. Role of FSH in male
 - i. Why Na⁺ is essential for glucose absorption in kidney?
 - j. Why tympanic reflex is unable to protect ear against gun-shot sound?

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