

Date: 06-08-2013

K 4104

First Year MBBS Examination

I MBBS Physiology Paper 1

Time: 3 hours

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.Explain in detail: (any two) (10)

- a. Physiological effects of thyroid hormones
- b. Disorders of growth hormones
- c. Menstrual cycle

2A.Write brief notes on (any two) (6)

- ~~a. role of kidneys in maintaining acid-base~~

- balance
- b. Micturition
- c. GFR

28. Give brief on (any one) (3)

- a. Visual pathway
- b. Pupillary reflexes

3. Write brief on (any two) (6)

- a. Olfaction
- b. Physiology of Taste
- c. Types of Deafness

www.FirstRanker.com

Section 2

4.Explain in detail (any two) (10)

- a. Neural pathway of Putamen circuit with its functions
- b. Functions of Hypothalamus
- c. Sequence of events during neuromuscular transmission of impulse

5A.Write briefly on (any two) (6)

- a. Draw a labelled diagram of spinothalamic tract. Enumerate its functions
- b. REM sleep
- c. Labeled line principle

5B.Write briefly on (any one) (3)

- a. Lower motor neuron lesion
- b. Analgesia

6.Short explanatory objective questions: (any six) (6)

- a. Intolerance to cold in Myxedema
- b. Basal body temperature rises at ovulation
- c. Acuity of vision highest at fovea centralis
- d. In weber's test should lateralizes is affected ear

- e. Babinski's sign is positive in Infants
- f. Intention tremors in cerebellar disease
- g. Insulin is used to measure GFR
- h. Nerve conduction velocity is fastest in myelinated nerve
- i. Phantom limb pain
- j. Tactile discrimination ability maximum at fingertip.

www.FirstRanker.com