

First Year MBBS Examination

I MBBS Physiology Paper 2

Date: 05-08-2017

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. Write short notes on: (any two) (10)

a) Color vision

b) Functions of Growth hormone and Dwarfism

c) Define GFR and explain factor affecting

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

a) Physiological basis of Antithyroid Drugs

b) Indicators of ovulation

c) Milk Let-down reflex

28. Write briefly on any 1 (3)

- a) Functions of Middle ear
- b) Generation of medullary gradient in kidney

Section 2

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

- a) Tests of hearing
- b) Synthesis and functions of parathyroid hormone
- c) Olfactory pathway

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

- a) Functions of hypothalamus
- b) Differences between UMN and LMN lesions
- c) Properties of synapses

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

- a) Functions of CSF
- b) Saltatory conduction

c) Functions of stretch reflex

58. Write briefly on any 1 out of 2 (3)

a) Generation of action potential in semicircular canals

b) Lateral descending pathways

6. Write Justification of following statements:
(any six) (6)

a) Hormones of corpus luteum

b) Name the speech areas

c) Define nociceptors

d) Enumerate the secondary sexual characteristics in males

e) List two differences between REM and Non-REM sleep

f) Function of inhibin

g) Hormones of posterior pituitary gland

h) Hoot value of biceps jerk

i) Transport maximum value for glucose in kidney is

j) Define and give noral valure of effective filtration pressure

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