

Preli

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

- a. Write in detail about odorant receptors and olfactory pathway
- b. Mineralocorticoid
- c. Functions of placenta

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

- a. Somatostatin
 - b. Enumerate errors of refraction write in detail about myopia
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c. Dark adaption

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

- a. Mechanism of action of peptic hormones
- b. Calcium homeostasis

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

- a. Factors affecting GFR (Glomerular filtration rate)
- b. Cushing syndrome
- c. Actions of insulin

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Section 2

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

- a. Physiology of pain
- b. Write in detail about vestibular apparatus
- c. Cerebellum

5A. Write Short notes on (any three out of five) (6)

- a. Limbic system
- b. EEG (Electro encephalogram)
- c. Enumerate various descending tracts. Write in detail about pyramidal tracts

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

- a. Memory
- b. Aphasia

6. Write answers to the point in 2-3 sentences: (any six) (6)

- a. Name one inhibitory neurotransmitter found in CNS
 - b. Name one anti-thyroid drug
 - c. What is drug of choice for the treatment of Parkinson's disease?
 - d. Give one condition in which "Babinski's sign
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is positive.

- e. Broad maris area number is for primary visual cortex
- f. What is cause of 'Cretinism'?
- g. Sudden increase in plasma level of which cells in human males?
- h. What is the cause of Levi-Lorran dwarf?
- i. Give one example of mono- synaptic reflex

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