



Z-4651

Seat No. _____

First Year M. B. B. S. Examination

February - 2006

Physiology : Paper - II

Time : **3 Hours**]

[Total Marks :

- Instructions :** (1) Answer each section in **separate** answer book.
(2) Draw diagrams wherever necessary.
(3) Answers should be precise and legible.
(4) Figures to **right** indicate full marks.

SECTION - I

1 Describe the functions and disorders of cerebellum. **8**

OR

1 Describe the formation, circulation and functions of C.S.F. **8**

2 Write notes on : **8**

(a) Functions of retina

OR

Organ of corti.

(b) Saltatory conduction

OR

Nerve degeneration.

3 (a) Describe briefly pyramidal system. **5**

(b) Give reasons within 3-4 sentences : **4**

(i) Hypothalamus also controls endocrines

(ii) Thalamus is important for relay of sensory information

(iii) REM sleep is called paradoxical sleep

(iv) Damage to Wernick's area causes aphasia.

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[Contd...

SECTION-II

- 4 Describe the functions and abnormalities of thyroid hormones. 8

OR

- 4 Describe the synthesis and functions of glucocorticoid hormones. 8

- 5 Write notes on : 8

(a) Spermatogenesis

OR

(a) Menstrual cycle

(b) Puberty

OR

(b) Oral contraceptives

- 6 (a) Describe briefly blood glucose homeostasis. 5

- (b) Give reasons within 3-4 sentences : 4

(i) Positive feed back control systems help child birth.

(ii) Excess of growth hormone during childhood causes gigantism

(iii) Decrease in blood calcium increases excitability of muscles

(iv) Suckling causes milk ejection.
