



R-3703

First Year M. B. B. S. Examination

June / July - 2018

Physiology : Paper - II

Time : $2\frac{1}{2}$ Hours]

[Total Marks : 50

Instructions :

(1)

નામ લખો ← Fill up strictly the details of signs on your answer book. Fill up strictly the details of signs on your answer book. Name of the Examination : F. Y. M. B. B. S.		Seat No. :
Name of the Subject : PHYSIOLOGY : PAPER - 2		Student's Signature
Subject Code No. : 3 7 0 3	Section No. (1, 2,) : 1&2	

(2) Draw diagrams and flow charts wherever required.

SECTION - I

- 1 Give an account on Physiological anatomy of Cerebellum, 8
its connections and functions.
- 2 Write notes on Any Three : 12
 - (a) Structure and functions of testis
 - (b) Folliculogenesis
 - (c) Regulation of secretion of Gonadotropins
 - (d) Methods to detect ovulation time
- 3 Explain in brief in 1-2 sentences (Any Five) : 5
 - (a) Function of mineralocorticoid
 - (b) Name photo receptors
 - (c) Types of sleep

R-3703 |

1

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- (d) What is presbyopia
- (e) Clinical importance of pigmented epithelial layer
- (f) Hormones regulating calcium ion concentration in blood

SECTION - II

- 4 Write notes on Any Four : 8
- (a) Explain positive feedback mechanism.
 - (b) Name the neuronal cells in layers of retina
 - (c) Draw and label organ of corti.
 - (d) Importance of optic chiasm in vision
 - (e) Draw and label taste receptor.
- 5 Short notes on Any Three : 12
- (a) Synthesis of Thyroid hormone
 - (b) Physiological actions of glucocorticoid
 - (c) Diabetes mellitus
 - (d) Mechanism of action of hormones of posterior pituitary gland
- 6 Answer in briefly for Any Five : 5
- (a) Reverberation (property of synapse)
 - (b) Function of Acrosome (of a mature sperm)
 - (c) Name Pain Pathways
 - (d) Function of CSF
 - (e) Types of autonomic receptors
 - (f) Types of Aphasia

