



HAY-4651 Seat No. _____
First Year M.B.B.S. Examination
July - 2017
Physiology : Paper-II

Time : 3 Hours]

[Total Marks : 50

Instructions :

- (1) Write answer to each section in separate answer book.
- (2) Draw diagrams where necessary.

SECTION - A

- 1 Describe Biosynthesis; Release and Regulation of secretion of Iodinated hormones. 8

OR

- 1 Describe the hormonal regulation of Blood glucose Level. 8

- 2 Write notes on : 8

- A) Hormones of Placenta **OR** Fate of Corpus Luteum
B) Cochlea **OR** Visual pathway.

- 3 A) Enumerate refractory medias of eye. Describe the correction of errors of refraction 5

- B) Write in short on : 4

- i) Glucocorticoids help to fight stress.
ii) Spermatogenesis requires lower body temperature
iii) Sight and smell of food provokes gastric secretion.
iv) Tetany occurs in hypocalcemia.

SECTION - B

- 4 Describe receptors and pathways conducting Pain and temperature sensation. Describe endogenous analgesic system. 8

OR

Enumerate the nuclei of Hypothalamus. Describe the functions and effect of lesion of hypothalamus.

- 5 Write notes on : 8
- A) Diffusion **OR** Wallerian degeneration.
- B) Memory **OR** Electroencephalogram.
- 6 A) Describe excitation contraction coupling. 5
- B) Write in short on : 4
- i) Flocculonodular lobe is also called vestibulocerebellum.
- ii) Nerves are not fatiguable.
- iii) Amygdala is called 'window to the world'.
- iv) Tremors seen in basal ganglia lesions are different from those seen in cerebellar lesions.
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