

I - B.H.M.S. (2015 COURSE) : WINTER - 2017

SUBJECT : PHYSIOLOGY – II

Day : **Tuesday**
Date : **14/11/2017**

Time : **10.00 A.M. TO 01.00 P.M.**
Max. Marks : 100

W-2017-3700

N.B.:

- 1) All questions are **COMPULSORY**
- 2) Figures to the right indicate **FULL** marks.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Answers to both the sections should be written in **SEPARATE** answer books.

SECTION – I

- Q.1** Answer in one or two sentences (**ANY FIVE**): [10]
- a) What is Broca's area?
 - b) Name two proprioceptors.
 - c) Range of normal blood sugar level Fasting and Post-prandial.
 - d) What is normal sperm count?
 - e) Name hormones of posterior pituitary gland.
 - f) Give various waves of EEG.
- Q.2** Write short notes on **ANY FOUR** of the following: [20]
- a) Graffian follicle
 - b) Action of Oestrogen
 - c) CSF
 - d) Gigantism
 - e) Taste-buds
- Q.3** Solve **ANY TWO** of the following: [20]
- a) Describe the function of thyroid hormones in detail.
 - b) With a neat labeled diagram describe the layers of Retina.
 - c) With a neat labeled diagram describe the structure and properties of Reflex arc.

SECTION – II

- Q.4** Answer in one or two sentences (**ANY FIVE**): [10]
- a) What is Vitamin? Name of water soluble vitamins.
 - b) Enumerate four essential Amino acids.
 - c) Write Brush border enzymes.
 - d) Calculate BMI of patient-weight 72 kg having height 5 feet and 3 inches.
 - e) Classify the protein.
 - f) Define catabolism and anabolism.
- Q.5** Write short notes on **ANY FOUR** of the following: [20]
- a) Function of bile
 - b) Enzymes
 - c) Scurvy
 - d) BMR
 - e) Beri-Beri
- Q.6** Solve **ANY TWO** of the following: [20]
- a) Define, classify and describe the function of protein.
 - b) Describe the function of liver in detail. Add a note on its Applied Physiology.
 - c) Describe the fat soluble vitamins in detail.

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