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YSH 454(R)

**Second Semester M.Sc. Degree Examination, September/October 2022
(Repeater) (2018-19 Batch)
YOGIC SCIENCE
Human Biology – II**

Time : 3 Hours

Max. Marks : 70

I. Answer the following questions in one **word**/one **sentence each**/fill in the blanks. **(10×1=10)**

- 1) Catecholamine's are secreted by _____ gland.
- 2) What is Hypothyroidism ?
- 3) Sympathetic arousal causes _____ in heart rate.
- 4) Semicircular canal is part of which organ ?
- 5) What is Spermatogenesis ?
- 6) Name the hormone responsible for ovulation.
- 7) Mention one function of Hypothalamus.
- 8) Name any one ascending tract in the spinal cord.
- 9) Mention normal plasma calcium level.
- 10) Functional unit of nervous system is _____

II. Write short notes on **any six** of the following : **(6×5=30)**

- 1) Accommodation.
- 2) Menstruation.
- 3) Water balance mechanism.
- 4) Role of insulin in glucose metabolism.
- 5) Spinal cord.
- 6) Parasympathetic nerve functions.
- 7) Medulla oblongata.
- 8) Lactation.

III. Explain **any three** of the following : **(3×10=30)**

- 1) Discuss structure, properties and functions of neurons.
 - 2) Explain digestion and absorption of Proteins.
 - 3) Explain the functions of Pituitary gland.
 - 4) Draw a labelled diagram of thyroid gland and explain the functions.
 - 5) Draw a labelled diagram of middle ear and explain mechanism of hearing.
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