

U.G. 4th Semester Examination-2025

PHYSIOLOGY

[MINOR]

Course Code : PHY-MN-T-2

(Basic of Physiology-II)

[NEP-2020]

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate marks.

Candidates are required to give their answers in their own words as far as practicable.

1. Answer any five questions: 2×5=10
- a) Name the valves of the heart and their location.
 - b) Define tidal volume, mentioning the normal value in an adult healthy male subject.
 - c) Name the salivary glands.
 - d) What is mastication reflex?
 - e) Define balanced diet.
 - f) What are isoenzymes?
 - g) What is deamination?
 - h) State the enzymes present in the gastric juice.

[Turn Over]

2. Answer any two questions: $5 \times 2 = 10$

- a) State the role of muscles involved in inspiration and expiration.
- b) Name the different gastric glands and their secretions.
- c) Write a short note on dietary fiber.
- d) What do you mean by ribozymes and allosteric enzymes? $2+3$

3. Answer any two questions: $10 \times 2 = 20$

- a) Write the properties of cardiac muscles. 10
 - b) Write short notes on: Endemic goiter, nutritional anemia, PCM. $3+3+4=10$
 - c) Enumerate the different movements of the alimentary canal and their regulation. $5+5=10$
 - d) Write the process of digestion and absorption of carbohydrates in humans. $5+5=10$
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