

FYUGP/5th Sem/25(NEP)

2025

Four Year Under Graduate Programme (FYUGP)

5th Semester Examination (Under NEP)

(Session 2023-24)

FOOD AND NUTRITION (Major)

Paper Code : FNTMJ MC-09

(Nutritional Physiology-II)

Full Marks : 30

Time : Two Hours

The figures in the margin indicate full marks.

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

I. Answer any *four* questions : 2×4=8

(a) Name two hormones secreted by adrenal and thyroid gland. ✓

(b) What is lactation? Name the hormone that induces lactation. ✓

(c) Define oogenesis.

(d) What is the role of ADH?

(e) What is GFR?

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(2)

(f) Differentiate between sympathetic and parasympathetic nervous system.

2. Answer any *three* questions : $4 \times 3 = 12$

(a) Write a brief note on the functions of cerebrum.

(b) Describe in brief the four phases of menstrual cycle.

(c) Define synapse. Outline the process of synaptic transmission. $1+3$

(d) Write down the process of formation of spermatid.

(e) Explain the process of urine formation in the kidney.

(f) Write a brief note on the role of vagus nerve.

3. Answer any *one* question : $10 \times 1 = 10$

(a) Describe the anatomy and function of the pancreas.
Write a brief note on the role of pituitary hormones. $6+4$

(b) Describe the structure of skin with a labelled diagram. Discuss in brief the method of regulation of body temperature in mammals. $5+5$
