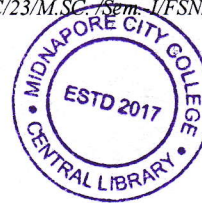


PG CBCS
M.Sc. Semester-I Examination, 2023
FOOD SCIENCE AND NUTRITION
PAPER: FSN 103
(FOOD SCIENCE & NUTRITION)



Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.
Candidates are required to give their answers in their own words as far as practicable.

GROUP-A

Answer any **FOUR** questions of the following: 4×2=8

1. What is pinocytosis?
2. Write the digestive function of Enterokinase.
3. What is synapse?
4. Why innate immunity is known as non-specific immunity?
5. State the names of cranial nerves.
6. What is diaphragm?

GROUP-B

Answer any **FOUR** questions of the following: 4×4=16

7. Describe the fluid mosaic model of cell membrane.
8. What is Bohr's effect? How does it influence oxy-haemoglobin dissociation curve? 2+2
9. How does counter current system help to produce concentrated urine?
10. What is the function of podocytes in terms of urine composition?
11. Write a brief note on hormonal regulation of blood glucose level.

GROUP-C

Answer any **TWO** questions of the following: 8×2=16

13. Write the role of kidney in regulation of acid base balance. What is the difference between superficial and Juxtamedullary nephrons? 5+3
14. Describe the events of cardiac cycle in brief. Describe the factors affecting blood pressure. 5+3
15. Describe the types, structure and functions of chemical synapse. 2+4+2
16. State the components of Fab region. Write a brief note on hormonal regulation of blood glucose level. 3+5
