

**Food Science & Nutrition (P.G.)****[CBCS]****M.Sc. First Semester End Examination-2023****(Regular & Supplementary Paper)****PAPER- 104****Full Marks: 40****Time: 02 Hrs***The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.**Illustrate the answers wherever necessary.***Group A****Answer any five questions of the following:****5x2= 10**

1. What is dyslipidemia?
2. Define isometric contraction.
3. What is the function of the papillary muscle?
4. Write the different factors affecting GFR.
5. What is defecation?
6. What is micromanipulation method?
7. Write any two functions of IgM.
8. Define synapse.

**Group B****Answer any four questions of the following:****5x4= 20**

9. Write down about –
  - a) Alzheimer's disease
  - b) Peptic ulcer

**2½ + 2½**

(2)

10. Describe the characteristics of acquired immunity. 5
11. What is the important role of parietal cell? Write the important functions of bile. 2+3
12. Write the mechanism of urine formation. 5
13. State the characteristics of heart sounds. Explain the stages of hypertension. 3+2
14. Explain the essential nutritional requirement of lactating mother. 5

**Group C**

**Answer any one question of the following: 10x1=10**

15. a) Explain about the primary lymphoid organs .
- b) Write down the endocrinological changes that occurs during menopause. 5+5
16. a) Explain the regulation of exocrine function of pancreatic secretion.
- b) Differentiate between cortical nephron and juxtamedullary nephron with different functions. 5+8

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