

Nutrition [Honours]

[CBCS]

B.Sc. Fifth Semester End Examination-2023

(Regular & Supplementary Paper)

PAPER-DSE1T

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

1. Answer any FIVE questions of the following: 5x2= 10

- a) What do you mean by GLP?
- b) Write the full form of GCMS and PCR.
- c) Which technique is used for paternity test?
- d) Write the principle of HPLC.
- e) What is food safety?
- f) What does OECD and FOA stand for?
- g) Write the major difference between ELISA and RIA
- h) Who are food analysts?

Group B

2. Answer any FOUR questions of the following: $4 \times 5 = 20$
- a) Write a short note on sensory properties. 5
 - b) Write the application of HPLC & HPTLC. $2\frac{1}{2} + 2\frac{1}{2}$
 - c) Why is food quality analysis so important? 5
 - d) What type of facilities are covered under GLP? 5
 - e) Describe the hierarchy of food safety authorities. 5
 - f) Discuss the importance of laboratory accreditation in the food industry. 5

Group C

3. Answer any ONE question of the following: $1 \times 10 = 10$
- a) i) Which factors are used for determining food quality?
 - ii) What is indicated by food quality? 8+2
 - b) i) Write any two analytical methods for determination of mineral content in food.
 - ii) Describe the functions of a food analyst. 4+6
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