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RNLKWC/B.Sc.-CBCS/VS/NUT/H/DSE1T/22

2022

Nutrition

[HONOURS]

(CBCS)

(B.Sc. Fifth Semester End Examination-2022)

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 question of the following: **5x2=10**
- Write the full form of ELISA & PCR.
 - What are FDA, OECD stand for?
 - What do you mean by Good Laboratory Practice (GLP)?
 - Why do we validate analytical methods?
 - What is the significance of moisture content in food?
 - Write the principle of ELISA.
 - Write the principle of chromatography.
 - What is the principle of 'Authrone method' for determination of total carbohydrate?

(2)

Group-B

2. Answer any four questions of the following: **4x5 = 20**
- a) Give the procedure, observation and inference of Molisch's Test. **3+1+1**
- b) Write advantages and disadvantages of ELISA. **$2\frac{1}{2}+2\frac{1}{2}$**
- c) What types of facilities are covered under GLP? **5**
- d) What is food safety? Write any four rules of food safety. **1+4**
- e) Write the five uses of PCR in human life? **5**
- f) Write six differences in between HPLC and HPTLC. Write the application of HPTLC **3+2**

Group -C

3. Answer any one question: **1x10 = 10**
- a) Briefly discuss the main reaction of PCR. Write any two merits and two demerits of PCR technique. What do you mean by real time PCR? **6+2+2**
- b) How to perform study under the OECD principles of GLP? Write a short note on "Test and reference item" of GLP? What is SOP? **5+3+2**
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