বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

B.Sc. Honours Examination 2021

(CBCS)

1st Semester

NUTRITION

PAPER—C2T & C2P

FOOD SCIENCE AND FOOD COMMODITY

Full Marks : 60

Time : 3 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.

THEORY : C2T

Group – A

Answer any *three* questions.   3×12

1. Explain the digestion and absorption process of protein . What do you mean by 'oligosaccharide'?   6+4+2

2. Write the nutritional aspects of tea. Describe the importance of 'Food Standards'.   6+6

3. "Junk foods are not health friendly food" — Justify the statement. Write in brief about food adulteration. 6+6

4. What are the physiological functions performed by calcium and sodium? What are the consequences of iron deficiency? (4+4)+4

5. Describe the functions of Vitamin D. What are the consequences of its deficiency? 8+4

6. Write the composition of milk. Write in short about processing of milk in industry? 4+8

Group – B

Answer any *two* questions. 2×2

7. Why is sucrose a non reducing sugar while maltose and lactose are reducing sugars?

8. What is resistance starch? Give one example.

9. What is ω_3 fatty acid? Give one example.

10. Define PER.

PRACTICAL : C2P

Answer any *one* question. 1×15

1. Write the principle and procedure of estimation of lactose in milk. 5+10

2. Write the principle and procedure of estimation of acid value in an oil sample. 5+10

3. Write down the principle and procedure of total sugar estimation of a sample. 5+10

Answer any *one* question. 1×5

4. Write the principal for estimation of total nitorgen of foods by Kjeldhal method.

5. Write down the procedure of saponification number estimation of fats and oils.

6. Write down the principle for estimation of fructose in a food.

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