



বিদ্যাসাগর বিশ্ববিদ্যালয়

VIDYASAGAR UNIVERSITY

B.Sc. Honours Examination 2021

(CBCS)

4th Semester

NUTRITION

PAPER—C9T & C9P

FOOD MICROBIOLOGY

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 : C9T

Group – A

Answer any *two* questions.

2×15

1. Write about the different intrinsic factors affecting growth of micro organism. What are fermented foods? Why these foods are good for health ?
5+5+5

2. Describe briefly about bacterial growth curve. Write the contamination process of micro organisms during the spoilage of vegetables and fruits. What is the principle of sterilization? 6+6+3
3. Write briefly about any two methods of liquid waste disposal. What are the principles of GMP in food processing? What do you mean by aflatoxin intoxication? 5+5+5
4. What are the effects of untreated sewage in human health? How does salmonella cause food borne infection? Write about any four major ways for controlling water borne diseases. 5+4+6

Group – B

Answer any *one* question. 1×10

5. Write the mode of transmission of staphylococcal food poisoning. Distinguish between prebiotics and probiotics. 5+5
6. Write about any two methods of bacteria isolation. How does air borne disease spread from person to person? 5+5

PRACTICAL : C9P

Answer any *one* question. 1×20

1. Write the ingredients of any two culture media. Write the steps for preparation of any two culture media for bacterial culture. 20
2. Write the protocol for the preparation of any two traditional Indian fermented foods. 20
3. Write the evaluation method of microbial load of milk with methylene blue reduction test mentioning the principle of this method. 20

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