

MAHATMA GANDHI UNIVERSITY
MGU-UGP (Honours)
FIRST SEMESTER -- PRACTICAL EXAMINATION
(2024 Admission onwards)
B.Sc. BIOLOGICAL TECHNIQUES & SPECIMEN PREPARATION
MG1DSCBTS100- NEW BIOLOGY FOR THE NEW CENTURY

Time: 2hrs

Marks: 35

1. Part A - Case study on specific topics assigned in syllabus **(10marks)** [Apply] [CO 7, 8, 9, 10]
 - a. Viva (5 marks)
 - b. Submission of case study report (5 marks)

2. Part B - Scientific Breakthroughs in Biology in the last 100 years **(10 marks)** [Understand]
[CO 8, 9, 10]
 - a. Identify the specific technology of the given spotter and comment on the technology (4 marks)
 - b. Record submission on the scientific breakthroughs in biology (6 marks)

3. Part C - Written examination. (Any **three** questions 5 marks each) **(15 marks)** [Apply]
[CO 8, 9, 10]

Write short notes on any three topics citing the role played by biological techniques in

- a. Prevention and Treatment of infectious diseases
- b. Health care diagnosis
- c. Enhanced agricultural productivity and food security
- d. Drug development and therapy
- e. Importance of Research

MAHATMA GANDHI UNIVERSITY, KOTTAYAM
I SEMESTER – MDC-MODEL PRACTICAL EXAMINATION - 2024
B.Sc. (HONOURS) BIOLOGICAL TECHNIQUES AND SPECIMEN PREPARATION
COURSE CODE: MG1MDCBTS100 FOOD, NUTRITION AND MEDICINE

Time : 2 Hrs

Marks: 35

PART A (20 MARKS)

- I. Certified record:10 marks
- II. Viva :5 marks
- III. Submit a report of case study based on your syllabus :5 marks **(CO7) (EVALUATE)**
 - a) Report submission -2.5 marks
 - b) Viva based on case study report -2.5 marks

PART B (9 MARKS)

IV. Enlist the fruits, vegetables and spices that can reverse diabetes (3 marks) (CO5) (REMEMBER)

OR

List out the foods that can cause allergies in some people (3 marks) **(CO6) (REMEMBER)**

V. Mention some foods that can deteriorate good bacteria in gut (3 marks) (CO5) (REMEMBER)

OR

Name some nutritious food that can be prepared at home for the growth of children (3marks) **(CO6) (UNDERSTAND)**

VI. List out the ingredients in the processed food Noodles and its taste makers (3 marks) (CO6) (REMEMBER)

OR

What type of dietary changes are most effective in reducing malnutrition? (3 marks) **(CO7) (EVALUATE)**

PART C (6 MARKS)

VII. Identify the nutrient present in the given food sample (3 marks) (CO6) (ANALYSE)

VIII. Identify the given diet plan (1.5 marks) (CO7) (UNDERSTAND)

IX. Identify the probiotic /prebiotic food from the given sample(1.5marks) (CO6) (UNDERSTAND)