

Reg. No.:



Name:

University of Kerala

U9279

Second Semester FYUGP Degree Examination, April 2025

Multi-Disciplinary course

BIOTECHNOLOGY

UK2MDCBIT105 - Life style disease and management

Academic Level: 100-199

Time: 1 Hour 30 Minutes(90 Mins.)

Max. Marks: 42

Part A. 6 Marks.Time:6 Minutes.(Cognitive Level:Remember(RE)/Understand(UN)) Objective Type. 1 Mark Each.Answer all questions

Qn No.	Question	CL	CO
1	List different types of non-communicable diseases	RE	1
2	Identify one major risk factor for skin cancer	RE	3
3	Where is insulin produced in the body?	UN	2
4	Describe the BMI range for obesity?	UN	2
5	Outline the symptoms of myocardial infarction	UN	3
6	Name the mental condition linked to long term alcohol abuse	UN	1

Part B.8 Marks.Time:24 Minutes.(Cognitive Level:Understand(UN)/Apply(AP))Short Answer. 2 marks each.Answer all questions

Qn No.	Question	CL	CO
7	Describe the benefits of aerobic exercise for people with diabetes	UN	4
8	Explain the importance of balanced diet?	UN	1
9	Describe any two diagnostic methods for detecting cancer.	AP	3
10	Illustrate the impact of technology addiction on mental health	AP	1

Part C. 28 Marks.Time:60 Minutes (Cognitive Level:Apply(AP)/Analyse(AN)/Evaluate(EV)/Create(CR)) Long Answer.7 marks each.Answer all 4 Questions choosing among options * within each question

Qn No.	Question	CL	CO
11	A) A. Implement a palliative care plan for a terminal cancer patient to improve their quality of life OR B) B. Apply sun protection strategies to reduce to incidence of skin cancer in high exposure region	AP	3, 3
12	A) Due to modern habits, lifestyle diseases like obesity, diabetes, cardiovascular diseases, and hypertension are rising. Analyze how diet, physical activity, stress, and sleep contribute to these conditions and suggest evidence-based strategies to mitigate their impact. OR B) <i>Analyse</i> how Diabetes and obesity are interconnected. Explain how one can increase the risk of developing the other.	AN	2, 2
13	A) A. Assess the effectiveness of healthy habits in promoting long term physical and mental well-being and their role in disease prevention and overall quality of life OR B) <i>Evaluate</i> the role of high LDL cholesterol in developing diseases like atherosclerosis.	EV	1, 3

Qn No.	Question	CL	CO
14	A) Develop a personalized lifestyle modification plan for someone at risk of congestive heart failure. OR B) B. Formulate a nutrition awareness campaign to prevent life style diseases	CR	4, 4