

Reg. No.:



Name:

University of Kerala

U9275

Second Semester FYUGP Degree Examination, April 2025

Multi-Disciplinary course

BIOCHEMISTRY

UK2MDCBCH100 - Biochemistry of lifestyle diseases

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	Name the hormone that is deficient or ineffective in diabetes mellitus.	RE	2
2	Tell the use of statins.	RE	4
3	Name two chemotherapeutic agents.	UN	4
4	Name two foods containing antioxidants.	UN	1
5	Suggest any life style change to prevent coronary artery disease.	UN	4
6	Discuss one reason why regular health check-ups are important for diabetes prevention.	UN	4

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	Distinguish between benign and malignant tumor	UN	3
8	Discuss about two complications of uncontrolled Diabetes Mellitus.	UN	2
9	Apply your knowledge of Fasting Blood Sugar (FBS) to interpret the diagnosis of Diabetes Mellitus.	AP	5
10	Show how regular physical activities prevents cancer.	AP	4

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) Describe how cancer can be prevented. OR B) Illustrate the prevention and management strategy of Obesity.	AP	4, 4
12	A) Explain the causes and features of Type 2 diabetes. OR B) Analyse the confirmed and indirect risk factors of coronary artery diseases.	AN	4, 2
13	A) Evaluate the risk factors common to different Life style diseases. OR B)	EV	2, 4

Qn No.	Question	CL	CO
	Discuss the role of diet and exercise in managing obesity and describe its symptoms.		
14	A) Create a treatment plan for a patient with coronary artery disease (CAD) using both surgical and non-surgical options. OR B) Create a comparative chart between Type 1 and Type 2 Diabetes mellitus.	CR	4, 2