GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Biological and Life sciences

Master of Science in Biochemistry
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem III - MSBC6006 - Advanced Biochemistry

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	List out the name of two crucial enzymes that are involved in xenobiotic metabolism.	K1	(2)
2)	Illustrate any two PCR-mediated mutation detection technique.	K2	(4)
3)	Analyze any two methods for mutation detection.	K2	(6)
4)	Elaborate the principle and procedure of surface plasmon resonance (SPR)	K3	(9)
5)	List out the name of any two Anticancer drugs and elucidate their mechanism.	K3	(9)
6)	Compare and contract between western blotting and southern blotting techniques	K5	(10)
7)	Dissect out the principle and procedure of any two methods for mutation detection.	K4	(12)
8)	Deduce the process of Apoptosis and necrosis. Also predict there significance.	K5	(15)
9)	Predict any three signaling pathway through gated ions channel.	K5	(15)
10)	Compare and contrast between phase-1 and phase-2 reactions of xenobiotic metabolism with proper illustration.	K6	(18)