GALGOTIAS UNIVERSITY

ADMISSION NUMBER												

School of Biomedical Science

Bachelor of Science in Medical Biotechnology
Mid Term Examination - May 2024

Duration : 90 Minutes
Max Marks : 50

Sem IV - Q1UG401T - Biosensors and Nanobiotechnology

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)	Explain one dimensional Nanostrucures?	K2	(2)
2)	Define Biodegradable nanoparticles with classification?	K1	(3)
3)	Explain any two historical breakthrough of nanotechnology?	K2	(4)
4)	Explain approaches of nanoparticle production?	K2	(6)
5)	What challenges arise in ensuring the biocompatibility and safety of nanomaterials illustrated in biomedical applications?	K3	(6)
6)	How do nanoparticles illustrate enhanced targeted drug delivery in cancer treatment?	K3	(9)
7)	How to analyze and select a nanometerial candidate for drug delivery?	K4	(8)
8)	Analyze the impact of nanomaterials on biotechnology, considering their roles in drug delivery, imaging, biosensing, and tissue engineering.	K4	(12)

OR

	Analyze how do chemoreceptors, baroreceptors, and touch receptors differ in terms of their physiological functions,	K4	(12)