GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Biological and Life sciences

Bachelor of Science Honours in Biomedical Science
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem IV - P1UC402T - 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)	Infer examples of biosensor applications in agricultural fields.	K1(2)
2)	Compare top down and bottom up approach of nanoparticle synthesis	K2(4)
3)	Explain the limitations or challenges associated with biological synthesis of nanomaterials.	K2(6)
4)	Identify some metal oxide nanoparticles and their biomedical applications.	K3(9)
5)	Identify some metal nanoparticles and their biomedical applications.	K3(9)
6)	Evaluate Photochemical sysnthesis of nanomaterial.	K5(10)
7)	Infer notable examples of nanomaterials synthesized using microorganisms.	K4(12)
8)	Discuss the mode of AgNP application in agriculture.	K5(15)
9)	Discuss the mode of CuNP application in agriculture.	K5(15)
10)	Design an experiment to synthesize and characterize silver nanoparticle using plant extract.	K6(18)