GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Biomedical Science

Bachelor of Science in Medical Biotechnology
Semester End Examination - Aug 2024

Duration : 180 Minutes
Max Marks : 100

Sem II - Q1UG203T - Nanomedicine and Drug Delivery

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)	Define Labeling?	K1(2)
2)	Explain nanomedicines?	K2(4)
3)	Discuss how do fluorophores and quantum dots differ in their optical properties and applications in detection and therapy?	K2(6)
4)	Illustrate limitations of gene therapy?	K3(9)
5)	Illustrate the mechanisms involved in controlled drug release from nanoparticle-based delivery systems?	K3(9)
6)	Examine the role of toxicologist in formulating guidelines for nanoparticles toxicity?	K5(10)
7)	Analyze the dimerits of current nanomaterial-based diagnostic platforms?	K4(12)
8)	Discuss the role of viral nanocarriers in gene therapy and vaccine delivery?	K5(15)
9)	Examine water pollution in context of nanoparticles?	K5(15)
10)	Discuss the classification of nanoparticles based on its biodegardability?	K6(18)