

School of Biomedical Science**Master of Science in Medical Biotechnology
Semester End Examination - Jul 2024****Duration : 180 Minutes
Max Marks : 100****Sem III - MBAMBT3003 - Nanobiotechnology and Biosensors***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*

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| 1) | Tell nanometer scale? | K1(2) |
| 2) | Explain in detail- glucometer work | K2(4) |
| 3) | Summarize core shell nanostructure? | K2(6) |
| 4) | Identify name of any one technique use to get three-dimensional picture of the specimen. Explain in brief? | K3(9) |
| 5) | Organize characterization technique in carbon nanotubes? | K3(9) |
| 6) | Justify why fullerenes are soluble only in water and carbon disulfide? | K5(10) |
| 7) | Distinguish between nanowires and nanotubes? | K4(12) |
| 8) | Perceive advantages and disadvantages of biosensors? | K5(15) |
| 9) | Justify zeolites minerals? | K5(15) |
| 10) | Elaborate characteristics of biosensors? | K6(18) |