

# School of Biomedical Science

Department of Biomedical Science

Mid Term Examination

Exam Date: 29 Sep 2023

Time : 90 Minutes

Marks : 50

## Sem III - MBAMBT3003 - Nanobiotechnology and Biosensors

*Your answer should be specific to the question asked*

*Draw neat labeled diagrams wherever necessary*

- 1) Outline minimum four factors that can affect synthesis of zeolites nanoparticles? K2 (2)
- 2) Define regular and reverse micelle with diagram? K1 (3)
- 3) Explain importance of nanosensors? K2 (4)
- 4) Summarize dendrimers with suitable diagram. K2 (6)
- 5) Build detailed overview of nanotubes and nanowires? K3 (6)
- 6) Construct organically modified silicate nanoparticles? K3 (9)
- 7) Inspect brief history of nanotechnology? K4 (8)
  
- 8) Distinguish metals used with nanoparticles for antibiotic delivery? K4 (12)

**OR**

Examine spectroscopy techniques used in detection of trace metals? K4 (12)