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School of Biological and Life sciences

Bachelor of Science Honours in Biomedical Science

Mid Term Examination - May 2024

Duration : 90 Minutes

Max Marks : 50

Sem IV - P1UC402T - NanobiotechnologyGeneral 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 the different types of nanomaterials. K2 (2)
- 2) Define green nanotechnology and explain its importance in sustainable development. K1 (3)
- 3) Difference between solvothermal and photochemical method of synthesis of nanomaterial K2 (4)
- 4) Summarise the key factors to consider when using microorganisms for nanomaterial synthesis K2 (6)
- 5) Interpret the properties of nanomaterials synthesized using different methods vary. K3 (6)
- 6) Show how does plants contribute to the synthesis of nanomaterials K3 (9)
- 7) Explain Ball Milling method of synthesis of nanomaterial. K4 (8)
- 8) Analyze How does the choice of microorganism influence the properties of the synthesized nanomaterials. K4 (12)

OR

Categorize key techniques used in biological synthesis of nanomaterials in detail. K4 (12)