



THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2nd Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

Backlog Arrear Examination, March 2021

Course Code: MIC 3428/3528

Course Title: Nanomedicine

Max Marks: 75

Time: 3 Hrs

ANSWER ANY FIVE QUESTIONS

05 X 15 = 75

1. Describe how the nanoparticles are synthesized by living cells.
2. Discuss the strategies and types of targeted drug delivery system with illustration.
3. Define Dendrimers. Explain the properties, synthesis and applications in detail.
4. Explain the role of nanoparticles in any three medical imaging techniques.
5. Elaborating the applications of nanotechnology in regenerative medicine.
6. Explain the properties and applications of quantum dots.
7. Describe the types and properties of carbon-based nanoparticles.