

**B.E (Chemical)- MBA 7<sup>th</sup> Semester**

**B.E (Food Tech.) 7<sup>th</sup> Semester**

**Subject- Nanotechnology**

**Time 1 hour**

**Max. Marks= 25**

**Note: All Questions are compulsory**

**Unit-1**

Q1. Write different modes of classification of Nanomaterials. (5)

Q2. Make a short note on: (6)

- (i) Carbon Nanotechnology
- (ii) Tissue Engineering
- (iii) Nanorobotics

Q3. (a) Discuss Transmission Electron Microscopy diagram (5)

Or

(b) Scanning Electron Microscopy with diagram

Q4. Explain in detail Electrical, magnetic, optical, thermal properties of nanostructured material (4)

Q5. Write an Application of nanotechnology in Nanotherapeutics or organic molecular based computers or bionanodevices or nanorobotics cells (5)