**BBDNITM**

**MECHANICAL DEPARTMENT**

**SESSION (2018-19)**

**Subject- Material Science [RME-301]**

**Assignment No. - 5**

**Short answer type questions**

1. What is Composite materials?
2. What is Ceramics?
3. What do you mean by smart materials?
4. What is Nano materials?

**Long answer type questions**

1. Classify composite materials. Also explain advantages and application of composites.
2. Differentiate between Matrix and reinforced type composite material.
3. What is polymer? What is the importance of polymers in engineering?
4. What is plastic? Differentiate between thermosetting and thermoplastic plastics.
5. What is Nano materials? What is the importance of nano materials in engineering?
6. Discuss the ceramic materials considering their properties and applications.