

Department of Mechanical Engineering, S.I.T Sitamarhi

Assignment -I

Subject: WMP, 2nd Semester (ME+CE)

Faculty Name: M. K. PODDAR, Asst. Prof., Dept. of ME

- 1. Define the term manufacturing. Classify various manufacturing processes.**
- 2. What is a pattern in casting? Explain briefly the following**
 - (i) Pattern Allowances**
 - (ii) Pattern Materials**
 - (iii) Types of patterns**
- 3. Explain briefly the steps involved in casting process.**
- 4. Explain briefly**
 - (i) Type of moulding materials and its properties**
 - (ii) Moulding sand composition**
- 5. What is core? List out the different types of cores.**
- 6. What do you understand by gating system in casting? Explain the role of each element of a gating system for production of a sound casting.**
- 7. Explain briefly the types of casting process**
 - I. Sand Casting**
 - II. Die Casting**
 - III. Investment Casting**
 - IV. Centrifugal Casting**
 - V. Shell mould casting**
- 8. Explain with neat sketches the various casting defects.**

Last Date to submission of Assignment-I: 09/04/2020

Submission of Assignment:

Prepare Answer of assignment questions in Scanned copy of hand written format & send it to:

➤ WhatsApp Group of WMP: <https://chat.whatsapp.com/JXDy7CyJFBC7JXJzS0MZC8>

or

➤ at my Email ID: poddar05@gmail.com