

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE - RAIGAD - 402 103
Sumer Semester Examination, May 2018**

Branch: M. Tech. (Mechanical / Production)

Semester: II

**Subject and Code: Casting and Moulding Technology
[MMF202]**

Marks: 60

Date: 16 / 05 / 2018

Time: 3 Hrs.

Instructions to the Students

1. Each question carries 12 marks.
2. Attempt any five questions of the following.
3. Illustrate your answers with neat sketches, diagram etc., wherever necessary.

Q.1. What is scope of technology in casting and molding? Give your comments on current technology used in foundry? Compare casting and molding in foundry. (12M)

Q.2 a) Explain concept of solidification in casting. (06M)

b) Explain chemical composition and structure of plastics for molding. (06M)

Q.3 a) what is the causes and remedies of casting defect. (06M)

b) What is calendaring? Explain with neat sketch. (06M)

Q.4 a) How simulation software are useful for casting methoding, indicating at least two commercial software available. (08M)

b) Explain Injection molding with neat sketch. (04M)

Q.5 a) what are simulation technique used in gating system design of casting. (06M)

b) Explain extrusion and transfer molding. (06M)

Q.6 a) Explain in short Gating Layout in casting. (06M)

b) Explain in short Expert system and Inspection technique in casting. (06M)

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