

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

Branch: M. Tech. (Mechanical / Production)

Semester: I

Subject and Code: Processing of Advanced Materials [MMF104I]

Marks: 60

Date: 09 / 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 Composite? Classify the Composite material along with example? Explain (12M)
advantages, disadvantages and application in detail?
- Q. 2. What are traditional and nontraditional machining methods used for machining (12M)
of composite material such as MMC, GFRP in detail?
- Q. 3. Write short note (12M)
a) Fabrication of composite
b) Processing of ceramics
- Q. 4. Why it is called as nonferrous alloy? Compare ferrous and non ferrous alloys. Give the
advantage of nonferrous alloys and their properties and application in details. (12M)
- Q. 5 a) What are methods used for Processing of Polymers? (06M)
b) Explain with neat sketch working and principle of EDM. (06M)
- Q. 6 a) Explain Recent trends and future prospects in high speed Machining. (06M)
b) Explain in details application of nontraditional machining. (06M)

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