

**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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