

**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY,
LONERE – RAIGAD -402 103
Mid Semester Examination – October - 2017**

Branch: M. Tech (Mechanical -Production)

Sem.:- I

Subject and Code: Processing of Advanced Materials [MMF104I] Marks: 20

Date: - 9/10/2017 Model Answer Sheet

Time: - 1 Hr.

Instructions: Draw figures if necessary.

Q. No.1 Attempt any one of the following

a) Why nonferrous alloys are rich in application? Give the example of nonferrous alloys? Explain in short copper alloys?

1. Explanation in short in terms of properties and application why it is rich. **(02)**
2. Enlist examples of nonferrous alloys. **(02)**
3. Explain copper alloys with type in short. **(04)**

b) What are engineering thermoplastics? What advantages do they have over thermosets? Write application of each?

1. Explain thermosets and thermoplastics in short **(02)**
2. Advantages of thermoplastics over thermosets with example. **(04)**
3. Application of each in short. **(02)**

No. 2 Attempt any three of the following: **(12)**

- a) Write a short note on Ceramics.**
- b) Explain in short Composite material**
- c) Explain in short Glasses.**
- d) Write short notes on Polymer**

Explain in short like Short note each answer for 3 marks