



Register Number:

B.E DEGREE EXAMINATIONS: DEC 2014

(Regulation 2009)

Second Semester

MEC103: MANUFACTURING TECHNOLOGY - I

(Common to AUTO/MECH)

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. The usual casting method for making dental crowns is _____
 - a) Sand casting
 - b) Die casting
 - c) Continuous casting
 - d) Investment casting
2. _____ is not an important heat treatment process parameter
 - a) Heating rate
 - b) Temperature
 - c) Cooling rate
 - d) Atmosphere
3. In oxidizing flame, the inner core attains a temperature of °C.
 - a) 2100
 - b) 2800
 - c) 3150
 - d) 3500
4. The increase in hardness due to cold working is called
 - a) Cold hardening
 - b) Hot hardening
 - c) Strain hardening
 - d) Age hardening
5. Which of the following material cannot be forged?
 - a) Wrought iron
 - b) Cast iron
 - c) Mild steel
 - d) High carbon steel
6. The operation of removing of burr or flash from the forged parts in drop forging is known as
 - a) Lancing
 - b) Coining
 - c) Trimming
 - d) Shot peening
7. Blanking operation comes under
 - a) Bending
 - b) Shearing
 - c) Forming
 - d) Moulding

- b) Define extrusion and explain the various classifications.
24. a) Explain any one method of stretch forming operation with neat sketch.
(OR)
b) Explain the operation of metal spinning with neat sketch.
25. a) Write in detail about the operations that can be performed using Lathe
(OR)
b) What are the types of tool holders and explain any two of them?
