



ME 306 (AE 306)

III Semester Diploma (Mechanical/Automobile) Examination, February 2011
WORKSHOP – I LAB

Time : 3 Hours

Max. Marks : 75

Instructions : 1) Answer **all** questions in Part – A and Part – B and either (a) or (b) in Part – C.

2) **Each** question carries **1 (one)** mark in Part – A and **5 (five)** marks in Part – B and **50 (fifty)** marks in Part – C.

PART – A

1. Write down two equipments used in forging. (5×1=5)
2. What is the purpose of core ?
3. What is casting ?
4. Define arc welding.
5. Name three types of gas flames.

PART – B

6. Explain upset forging. (4×5=20)
7. What are the advantages of hot working ?
8. What are different pattern allowances ? Specify their purpose.
9. List out the equipments required for arc welding.

PART – C

10. a) Describe the step by step procedure to make sand mould by using stepped pulley (solid pattern). (1×50=50)

OR

- b) Describe the step by step procedure to make butt joint from the given MS flats (25 MM* 6MM).
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