

**DIPLOMA IN CIVIL ENGINEERING / (DCLE(G)) /
DIPLOMA IN ELECTRICAL AND MECHANICAL
ENGINEERING (DEME) /
DCLEVI / DMEVI / DELVI / DECVI / DCSVI**

Term-End Examination

00645

December, 2014

BET-026 : WORKSHOP TECHNOLOGY

Time : 2 hours

Maximum Marks : 70

Note : *Part A is compulsory. Answer any seven questions from Part B. All questions in Part B carry equal marks.*

PART A

1. Answer the following : 7×2=14
- (a) Name the sharpening and checking tools used in carpentry work.
 - (b) Enlist two types of patterns in pattern work.
 - (c) Define "COHESIVENESS" characteristic of moulding sand.
 - (d) What gas combinations are used in gas-welding ?
 - (e) Why are stakes used in sheet metal work ?
 - (f) Differentiate between Smithy and Forging.
 - (g) How are feed and depth of cut usually expressed in lathe-work ?

PART B

Answer any **seven** questions.

7×8=56

2. Enlist various types of chisels used in carpentry work. Describe any one briefly with the help of a sketch.
 3. What are the common allowances provided on patterns and why ?
 4. Distinguish between “GREEN-SAND MOULDING” and “DRY-SAND MOULDING” processes.
 5. How are “FILES” classified ? Explain in brief with simple sketches.
 6. What do you understand by “GAS-WELDING” ? Explain in brief the equipments required for oxy-acetylene gas welding process.
 7. Enlist different types of Stakes and explain any two with sketches.
 8. Explain with the help of a neat sketch, the working of Anvil in Smithying work.
 9. What are the main constituents of an oil-paint ? Explain in brief.
 10. Describe the functions of lathe machine. What are the main parts of a lathe machine ?
 11. Define the term “HEAT-TREATMENT”. Give a list of 3 types of heat treatment processes and explain any one of them.
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