

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

Term-End Examination

June, 2015

00553

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 questions : 7×2=14
- (a) Enlist any two types of Drilling and Boring tools used in carpentry work.
 - (b) Name any two types of allowances provided on patterns.
 - (c) What are the principal constituents of moulding sand (Indicate only the names) ?
 - (d) How do you specify a file ?
 - (e) Name two types of pipe joints in plumbing work.
 - (f) Write down the main constituents of solder.
 - (g) In lathe work, calculate the cutting speed of a job, having 56 mm dia. and revolving at 500 r.p.m.

PART B

Answer any *seven* questions.

7×8=56

2. Explain "SETTING OF SAW TEETH". Why is it done ?
3. Enlist the different types of patterns. Explain any one with a simple sketch.
4. What is "CORE" ? How many type of "CORES" are there ? Explain any one with a sketch.
5. List the different operations carried out in fitting work.
6. Name the different types of welding "FLAMES". How are these flames obtained in a welding-torch ?
7. How does a "FLUX" help in soldering process ? Name at least three "FLUXING AGENTS".
8. What operations are performed in Smithying work ? Describe any one of them.
9. Explain in brief the painting process on iron and steel surfaces.
10. How is the size of lathe machine specified ? Name at least two types of operations which can be performed on lathe machine.
11. How many types of "RIVETS" do you know ? Sketch any two with the name of their parts.