

**DIPLOMA IN CIVIL ENGINEERING (DCLE(G)) /
DCLEVI / DMEVI / DELVI / DECVI / DCSVI**

Term-End Examination

00713

June, 2018

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 common allowances provided on pattern work.
 - (b) Define "setting of saw teeth".
 - (c) List out four equipments used in gas-welding.
 - (d) Differentiate between single-cut and double-cut file.
 - (e) Name four types of rivets.
 - (f) Write down the name of two joints used in sheet-metal work.
 - (g) Give the name of any two accessories used with lathe machine.

PART B

Answer any **seven** questions :

7×8=56

2. Define planing or smoothening process in carpentry work. Draw a neat sketch of a wooden jack plane and label its parts.
3. How are the patterns classified ? Explain the use of a "Match-Plate-Pattern".
4. What is "Core" ? How many types of cores are used in moulding ?
5. What are the different methods commonly used for "Filing" in fitting work ? Explain any one with the help of neat sketch.
6. Sketch "Smith's-Forge" and label its parts.
7. What is the utility of sheet-metal work in engineering field ? How is Soldering process different from Brazing process ?
8. Define "Welding". Describe any two types of welding processes.
9. Distinguish between "Normalizing" and "Hardening" heat treatment processes with the help of suitable examples.

10. What are the different methods for “taper-turning” operations on lathe machine. Explain any one in brief.

 11. Describe the sequence of painting process on a “New Wood-Work”.
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