



C14-M-106/C14-RAC-106

4055

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2016

DME—FIRST YEAR EXAMINATION

WORKSHOP TECHNOLOGY

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

Instructions : (1) Answer **all** questions.

(2) Each question carries **three** marks.

(3) Answers should be brief and straight to the point and shall not exceed *five* simple sentences.

1. State the differences between rip saw and cross-cut saw.

2. List out any six carpentry processes.

3. Draw a neat sketch of hacksaw and name the parts.

4. What is a file card? Explain its use.

5. What are the fuels generally used in forging?

6. Draw a neat sketch of stake and name the parts.

7. List various materials used for drills.

/4055

1

[Contd...

WWW.MANARESULTS.CO.IN

8. What are the ^{*}advantages of casting process?
9. State the applications of CO₂ process.
10. What is cold working? List any four methods of cold working.

PART—B

10×5=50

Instructions : (1) Answer *any five* questions.
(2) Each question carries **ten** marks.
(3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.

11. (a) Draw a neat sketch of metal jack plane and name the parts.
(b) What is setting of sawteeth? Why is it done?
12. Draw a neat sketch of Vernier Caliper and name the parts. Describe the principle of Vernier Caliper.
13. (a) Draw a neat sketch of file and name the parts.
(b) Write the specific use of any five types of files.
14. Explain the working of pneumatic hammer with neat sketch.
15. Draw neat sketches of any three types of snips and explain about them.
- * 16. Draw a neat sketch of radial drilling machine, label the parts and explain their functions.
17. Explain any five properties of moulding sand.
18. Explain the following hot working processes :
(a) Hot drawing or cupping
(b) Hot piercing
