



C09-M-105

3043

BOARD DIPLOMA EXAMINATION, (C-09)
SEPTEMBER/OCTOBER - 2020
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. Mention any three manufacturing processes.
2. Write any three cutting tools used in carpentry.
3. Write any three holding devices used in fitting.
4. Mention any three hand tools used in forging.
5. Mention any three measuring tools used in sheet metal.
6. Write any three types of sands used in foundry.
7. Mention any three hand moulding tools used in foundry.
8. State the function of Risers.

- * 9. List out the various types of drilling machines.
10. Mention any three mechanical properties of metal.

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. Explain the following tools with sketch used in carpentry :
- (a) Bench vice
 - (b) Wooden Jackplane
12. Explain the following with sketch in fitting :
- (a) Hacksaw
 - (b) Leg vice
 - (c) V-block
13. What are the operations performed in forging? Explain any two of them.
14. What are the various types of stakes used in sheet metal? Explain any two with neat sketches.
15. What are the classifications of patterns? Explain any two of them.
- * 16. Explain the radial drilling machine with neat sketch.
17. Explain the band saw with neat sketch.
18. What are the hot working processes? Explain any two.
