

6057

BOARD DIPLOMA EXAMINATION, (C-16)

OCTOBER/NOVEMBER—2023

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. Draw a neat sketch of hand saw and name its parts.
2. Difference between cross filing and draw filing.
3. Write about file card.
4. List out any six types of tongs used in forging stop.
5. What are the advantages and disadvantages of forging?
- \* 6. List out the metals used in sheet metal work.
7. Write about the match plate pattern with a neat sketch.
8. What are the properties of moulding sand?
9. What is hot working? State its advantages.
10. Explain hot drawing with a neat sketch.

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**PART—B**

10×5=50

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

- 11.** What are the various types of marking and measuring tools used in carpentry? Explain any five with neat sketches. 10
- 12.** Explain working of vernier height gauge with a neat sketch. 10
- 13.** Explain any four forging operations with neat sketch. 10
- 14.** Explain any five types of snips used in sheet metal with a neat sketch. 10
- 15.** Explain about the investment casting with a neat sketch. 10
- 16.** Draw and explain radial drilling machine with a neat sketch. 10
- 17.** Explain the working of power hack saw with a neat sketch. 10
- 18.** (a) What are the advantages and disadvantages of hot working over cold working? 5  
(b) Describe the process of indirect extrusion with a neat sketch. 5

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