



C16-M-RAC-106

6057

BOARD DIPLOMA EXAMINATION, (C-16)

AUGUST/SEPTEMBER—2021

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. List out three marking tools and three measuring tools used in carpentry.
2. What is Tap? Name three types of Taps.
3. Draw a neat sketch of a file and label the parts.
4. List any three types of hammers used in forging.
5. What are common six forging defects?
6. List out the three types of hems used in sheet metal work.
7. State any six properties of moulding sand.
8. List any six hand moulding tools used in foundry.
9. State the differences between blanking and punching.
10. What is cold working? List out any two cold working processes.

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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. List out different types of carpentry joints and explain any two with neat sketches.
12. Explain about Vernier height gauge with a neat sketch.
13. Explain any four hand forging operations with the help of suitable sketches.
14. List out different types of Stakes and explain any two.
15. Explain the investment casting process with a neat sketch.
16. Explain Radial drilling machine with a neat sketch.
17. Explain the working of power hack saw with a neat sketch.
18. List different methods of extrusion and explain any two with sketches.

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