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C14-M-106/RAC-106

4055

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2021

DME - FIRST YEAR EXAMINATION

WORKSHOP TECHNOLOGY

Time : 3 hours]

[Total Marks : 80

PART—A

4×5=20

- Instructions :** (1) Answer *any five* questions.
(2) Each question carries **four** 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. Write different types of carpentry joints.
3. List out striking tools in fitting.
4. List out various operations performed in fitting.
5. Draw a neat sketch of anvil and name the parts.
6. What is embossing and bending?
7. List out various drilling operations.
8. Explain any two hand moulding tools with a neat sketch.
9. State the applications of CO₂ process.
10. Write short notes on wire drawing.

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PART—B

15×4=60

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

11. Draw a neat sketch of metal jack plane and name the parts.
12. State the difference among reaming, tapping and dieing. How these operations are done in fitting?
13. Explain combination set with a neat sketch.
14. Describe the working of pneumatic hammer with a neat sketch.
15. Explain any five type of stakes with a neat sketch.
16. Draw a neat sketch of sensitive drilling machine and explain its working
17. Explain any five properties of moulding sand.
18. What are the advantages and disadvantages of hot working over cold working processes?

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