



C14-M-106/C14-RAC-106

4055

BOARD DIPLOMA EXAMINATION, (C-14)

JUNE—2019

DME—FIRST YEAR EXAMINATION

WORK SHOP 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 any six types of hand tools used in carpentry.
2. Draw a neat sketch of hand hammer and name the parts.
3. What is file card? Explain its use.
4. List any six forging defects.
5. Distinguish between punching and drifting.
6. Write different types of seams.
7. List out different types of carpentry joints.
8. State the function of risers.
9. List out any six materials used for pattern making.
10. Write short notes on wire drawing process 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 the criterion for valuation is the content but not the length of the answer.

11. Describe wood planer with the help of neat diagram.
12. (a) Describe the use of gauge block.
(b) Sketch and describe a V - block.
13. Explain any five types of files used in fitting with neat sketches.
14. Explain the following forging operations with a neat sketch :
 - (a) Bending
 - (b) Fullering
 - (c) Flattering.
15. Explain any five types stakes used in sheet metal work with neat sketch.
16. What are the different work - holding devices used in drilling machine? Discuss any three of them with neat sketches.
17. Explain the following properties of good moulding sand :
 - (a) Refractoriness
 - (b) Permeability
 - (c) Plasticity
 - (d) Cohesiveness.
18. What are the advantages and disadvantages of hot working over cold working?

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