



C14-M-106/RAC-106

4055

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL—2018

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. Write the specific uses of the following carpentry tools:
(a) Try Square (b) Firmer chisel (c) Jack plane
2. Sketch the rip saw and label the parts.
3. Write difference between tapping and drilling.
4. Name the different types of files used in fitting shop.
5. List out various tongs used in forging shop.
6. What is the difference between hem & seam?
7. List the different operations that can be performed on drilling machine.
8. What is a core? List out the different types of cores.
9. What are the advantages of green sand mould?
10. State the difference between hot working and cold working.

PART—B

10×5=50

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

11. Define brace. Briefly explain Ratchet brace and Wheel brace with neat sketch.
12. What are the different types of operations done in bench work? Explain any one in detail.
13. Draw a neat sketch of sine bar. How is it used for measuring angles?
14. Name the various common forging defects and state the causes and remedies.
15. List out various fastening methods that are used in sheet metal and explain any two of them.
16. Draw a neat sketch of radial drilling machine, label the parts and explain their function.
17. Explain about shell mouldings and give its advantages. For what applications it will best fit?
18. Explain about hot extrusion process.

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