



C14-M/RAC-106

4055

**BOARD DIPLOMA EXAMINATION, (C-14)
OCT/NOV—2018
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. Differentiate between Rasp and File.
2. Draw a neat sketch of keyhole saw and name the parts.
3. List the various types of Reamers.
4. Write about file card.
5. What are the properties of a good moulding sand.
6. Draw a neat sketch of stake and name the parts.
7. What are the fuels generally used in forging?
8. List out any six foundry defects.
9. Write short notes on counter boring.
10. List out any four cold working processes.

PART-B

10×5=50

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

- 11.** Describe about the following with neat diagrams.
a) Metal jackplane b) Ratchet brace.
- 12.** Draw a neat sketch of vespier caliper and name the parts.
Describe the principle of vespier caliper?
- 13.** Describe with the help of neat sketch the working of spring hammer.
- 14.** Explain any four Shearing operations in sheet metal work.
- 15.** Explain about shell moulding with a neat sketch.
- 16.** Explain any five operations performed on drilling machine.
- 17.** Explain any four fitting operations with neat sketch.
- 18.** Write shorth notes on.
a) Hot drawing or Cupping, b) Hot piercing.

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