



C09-M-105/C09-RAC-105

3043

BOARD DIPLOMA EXAMINATION, (C-09)

MARCH/APRIL—2014

DME—FIRST YEAR EXAMINATION

WORKSHOP TECHNOLOGY

Time : 3 hours ]

[ Total Marks : 80

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**PART—A**

3×10

**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 the various methods of manufacturing processes.
2. Show Bow saw in a neat sketch and name the parts.
3. Draw neat sketch of file and name the parts.
4. What are the advantages of machine forging
5. What are the commonly used metals in sheet-metal work?
6. Write the advantages of casting over other manufacturing processes.
7. State the properties of a good moulding sand.
8. What is a core? What is its purpose?
9. List out different types of drilling machines.
10. What are the advantages and disadvantages of hot working?

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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.** Draw a neat sketch of a wood planer and label the parts.
- 12.** Draw a neat sketch of combination set. Explain the use of different parts.
- 13.** Describe the pneumatic hammer with a neat sketch.
- 14.** Describe the following fastening methods with neat sketches :
- (a) Soldering
- (b) Brazing
- 15.** Describe the process of ceramic moulding with a neat sketch. State its advantages and disadvantages.
- 16.** List the various operations performed on drilling machine and explain briefly any two with sketches.
- 17.** Describe operation of vertical band saw with a neat sketch and state its advantages and disadvantages.
- 18.** Describe briefly the following operations with neat sketches :
- (a) Cold heading
- (b) Thread rolling

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