



C09-M-105

**3043**

**BOARD DIPLOMA EXAMINATION, (C-09)**

MARCH / APRIL - 2019

**DME - FIRST YEAR EXAMINATION**

**WORKSHOP TECHNOLOGY**

Time : 3 Hours]

[Total Marks : 80

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**PART - A**

**3×10=30**

- Instructions :**
- (1) Answer **ALL** questions.
  - (2) Each question carries **THREE** marks.
  - (3) Answer should be brief and straight to the point.

- 1 Briefly describe the Powder Metallurgy.
- 2 List out three types of boring tools used in Carpentry.
- 3 Name any six marking tools used in fitting practice.
- 4 What are the good properties of fuel used in forging.
- 5 List out six types of metals used in sheet metal work.
- 6 Write about loam sand moulding.
- 7 What is a core ? What is its purpose ?
- 8 What is the purpose of trowel ? List different types of trowels.
- 9 List various materials used for drills.
- 10 Sketch four high mill.

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[ Contd...

**PART - B**

**10×5=50**

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

- 11 What is the specific use of wood turning lathe ? Sketch and describe its working in detail.
- 12 Explain the working of stick micrometer with neat sketch.
- 13 Sketch and explain the working of pneumatic hammer.
- 14 List various stakes used in sheet metal and explain any two.
- 15 Explain the hot chamber die casting method.
- 16 Draw a neat sketch of radial drilling machine. Label the parts and explain their functions.
- 17 Explain the working of abrasive disc machine with neat sketch.
- 18 What are the advantages and disadvantages of cold working of metals ?

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