



C09-M-105

3043

**BOARD DIPLOMA EXAMINATION, (C-09)
OCTOBER/NOVEMBER-2018
DME- FIRST YEAR EXAMINATION**

WORKSHOP TECHNOLOGY

Time : 3 Hours]

[Total Marks: 80

PART-A

3X10=30

- Instructions :**
1. Answer **All** questions.
 2. Each question carries **Three** marks.
 3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. What is the aim of manufacturing process?
2. Draw the neat sketch of pincer?
3. Write the specifications of chisel.
4. What fuels are generally used in forging?
5. What is a soldering iron? List two types of soldering iron.
6. What is the difference between dry sand mould and green sand mould.
7. State the applications of investment casting?
8. Draw a neat sketch of strike of bar and explain its uses?
9. Draw a neat sketch of bench drilling machine and label its parts,
10. Define (i) Hardness (ii) Brittleness.

PART-B

10X5=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. Explain any five types of chisels used in Carpentry with sketches?
12. (a) Describe the principle of Micrometer
(b) Explain working principle of outside micrometer with neat sketch.
13. Name the different types of power hammers. Explain the working of spring hammer with neat sketch?
14. Draw the layout for cone by radial line method and write the steps involved in making a cone.
15. Explain the method of making dry sand core.
16. Explain the working of Redial drilling machine with a sketch.
17. Explain the working principle of friction disc sawing. Why is it not suitable for cast iron?
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18. Describe the following hot working processes
- i. Spinning
 - ii. Reeling
 - iii. Drawing (Cupping)
 - iv. Seamless tubing

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