



C14-M-106

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**4055**

**BOARD DIPLOMA EXAMINATION, (C-14)  
OCTOBER/NOVEMBER-2018  
DME-FIRST YEAR EXAMINATION**

WORKSHOP TECHNOLOGY

Time : 3 Hours ]

[ Total Marks: 80

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**PART-A**

4X10=40

- Instructions :**
1. Answer **All** questions.
  2. Each question carries **Four** marks(Two marks for each bit).
  3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. (a) Write the use of hand screw used in carpentry.  
(b) Write the specifications of Hand saw.
2. (a) State the uses of outside calliper and Inside calliper.  
(b) List out the types of gouges used in Carpentry.
3. (a) List out any four different types of files.  
(b) List the types of Taps.
4. (a) Write the use of Engineers parallels.  
(b) List the types of Taps.
5. (a) Write any two safety precautions followed in Forging.  
(b) Write the use of drift with sketch.
6. (a) What is a sheet metal?  
(b) Draw a neat sketch of stake and name the parts.
7. (a) Define Drilling  
(b) Define counter boring and counter sinking.
8. (a) What is a Core?  
(b) Write the purposes of a core.
9. (a) List out the types of Trowels used in foundry.  
(b) Define Adhesiveness and Cohesiveness.
10. (a) Write any two advantages of Cold working.  
(b) Define Hot working.

## PART-B

10X4=40

*Instructions* : \*

1. Answer any **Four** 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. (a) List out any four carpentry processes.  
(b) Describe Wood Turning Lathe with the help of a neat sketch.
12. (a) Write the uses of Feeler gauge and plug gauge.  
(b) Explain different types of scrapers used in Fitting with Sketches.
13. (a) List out different types of marking tools used in Fitting.  
(b) Describe the V-block with a neat sketch.
14. (a) List any four Forging operations.  
(b) Describe the working of spring hammer with a neat sketch.
15. (a) List out the different Sheet metal operations.  
(b) Write about any eight shearing operations in sheet metal.
16. (a) List out any four types of Drills.  
(b) Write short notes on the following with suitable sketches.
  - i. Drilling
  - ii. Reaming
  - iii. Tapping
  - iv. Boring
17. (a) List any eight types of moulding sand used in Foundry  
(b) Explain the Gated pattern with a sketch.
18. (a) Describe Hot drawing with a sketch.  
(b) Explain the process of Tube drawing with a neat sketch.

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