



C14-M-106

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BOARD DIPLOMA EXAMINATION, (C-14)

MARCH/APRIL-2019

DME - I YEAR EXAMINATION

WORKSHOP TECHNOLOGY

Time : 3 Hours]

[Total Marks: 80

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) List out the marking tools used in carpentry.
(b) State the difference between firmer chisel and mortise chisel.
2. (a) Write the use of Rasp and Ratchet brace in carpentry.
(b) Draw the neat sketch of hand saw and name the parts.
3. (a) List out any four carpentry process.
(b) Draw T-Halving joint.
4. (a) List out the type of taps
(b) List out the types of files based on its shape used in fitting.
5. (a) Draw a neat sketch of solid frame hack saw and name the parts.
(b) Draw the chisel used in fitting and name the parts.
6. (a) State the uses of pipe vice and pin vice in fitting.
(b) Differentiate between chipping and scrapping.
7. (a) List out the forging operations.
(b) List out the types of hammers used in forging.
8. (a) Sketch the punch and drift used in forging.
(b) What are the fuels used in forging
9. (a) Draw a neat sketch of snip and name the parts.
(b) List out the types of seams used in sheet metal work.
10. (a) What is meant by embossing and beading.
(b) List out the types of hems.

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[Contd....

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. What are the different types of chisels used in carpentry explain with neat sketch?
12. Describe band saw with the help of a neat sketch.
13. List out fitting operations and explain any five.
14. List out holding tools in fitting explain (a) bench vice (b) tool maker's vice. 5+5
15. Explain the various forging defects with neat sketch.
16. List out the uses of following tools used in forging with neat sketch 2+2+2+2+2
 - (a) fullers
 - (d) swages
 - (c) set hammer
 - (d) hardie tool
 - (e) Flatter.
17. What is stake? Explain any four types of stakes with neat sketch.
18. (a) Draw screw driver and explain its use. 5+5
(b) Draw rivet set and explain its use.

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