



C16S-M-106

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BOARD DIPLOMA SUPPLEMENTARY EXAMINATION, (C-16)

JUNE / JULY - 2020

DME – I SEMESTER EXAMINATION

WORKSHOP TECHNOLOGY - 1

Time : 2 Hours]

[Total Marks : 80

PART - A

3×10=30

- Instructions :**
- (1) Answer any TEN questions.
 - (2) Each question carries **THREE** marks.
 - (3) Each answer should not exceed more than 1/2 Page.

- 1 (a) Draw a neat sketch of try square.
- (b) List out different types of marking tools used in carpentry.
- 2 (a) Draw a neat sketch of hand saw.
- (b) State the difference between rip saw and cross cut saw.
- 3 (a) Draw a neat sketch of chisel.
- (b) Write the specifications of a plane.
- 4 (a) Write the use of bradawl and gimlet.
- (b) Draw a neat sketch of auger.
- 5 (a) Draw a neat sketch of claw hammer.
- (b) What is the use of pincer ?
- 6 (a) List out any four types of carpentry joints.
- (b) Draw a neat sketch of G-cramp.
- 7 (a) State the difference between drilling and reaming.
- (b) Draw a neat sketch of tool maker's vice.

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[Contd...

- 8 (a) List out any four types of chisels used in fitting.
- (b) Write down the use of tape.
- 9 (a) Draw a neat sketch of prick punch.
- (b) Write down the use of depth gauge.
- 10 (a) What are gauges ?
- (b) What is file card ?
- 11 (a) List out any four types of files.
- (b) Draw a neat sketch of feeler gauge.
- 12 (a) Write the use of sin bar.
- (b) List out different types of drills.
- 13 (a) Draw a neat sketch of die.
- (b) What are the uses of tongs in forging ?
- 14 (a) Draw a neat sketch of flatter..
- (b) Write the different types of fuels used in forging.
- 15 (a) List out different types of forging defects.
- (b) What is hardie tool.
- 16 (a) Write the use of fullers and swages in forging.
- (b) Write the different types of firing.
- 17 (a) Write the different types of metals used in sheet metal.
- (b) Draw a neat sketch of stake. <http://www.sbtetonline.com>
- 18 (a) What is snip ?
- (b) List out any four different types of seams.
- 19 (a) Draw a neat sketch of setting hammer.
- (b) What is drawing ?
- 20 (a) Draw a neat sketch of seamer.
- (b) What is riveting ?

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[Contd...

PART - B

10×5=50

- Instructions :**
- (1) Answer any **FIVE** questions.
 - (2) Each question carries **TEN** marks.
 - (3) Each answer should not exceed more than **TWO** Pages.

- 21 (a) Draw a neat sketch of metal jack plane and name the parts.
(b) Write the use of the following with neat sketch.
(i) Bow saw (ii) Coping saw
- 22 (a) List out different types of carpentry and explain any four of them.
(b) Write the use of the following with neat sketch.
(i) Trammel (ii) Marking knife
- 23 (a) Draw and write the use of scraper.
(b) Explain the working of vernier height gauge with neat sketch.
- 24 (a) Write the following.
(i) Simple scribing block (ii) Reamer
(b) Write the different types of fitting operations and explain any two of them.
- 25 (a) Sketch the anvil and write the use of it.
(b) Explain the following forging operations.
(i) Upsetting (ii) Drawing down
- 26 (a) Explain the working of spring hammer.
(b) What is press forging ?
- 27 (a) What is hem ? Explain different types of hems.
(b) Explain the rivet set with neat sketch.
- 28 (a) How does soldering is different from brazing.
(b) What is hand groover ?

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