



C23-M-106

23065

BOARD DIPLOMA EXAMINATION, (C-23)

OCTOBER/NOVEMBER—2024

DME – FIRST YEAR EXAMINATION

BASIC MANUFACTURING PROCESS

Time : 3 hours]

[Total Marks : 80

PART—A

3×10=30

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

1. List out any six Carpentry processes.
2. Write specific applications of any six measuring tools used in Carpentry.
3. Draw a neat sketch of hack saw and name the parts.
4. State the difference between Reaming and Tapping.
5. List any three types of hammers used in forging.
6. Draw a neat sketch of snip and label the parts.
7. How is drilling machine specified?
8. List out any four different types of jigs.
9. What is cold working of metals?
10. What are the advantages of cold working over hot working?

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[Contd...

PART—B

10×5=50

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

- 11.** List out the types of planes used in carpentry and explain Metal jack plane with a neat sketch.
- 12.** (a) List out the types of carpentry joints.
(b) Explain any two carpentry joints with neat sketches.
- 13.** (a) Explain the following fitting operations with a neat sketch :
(i) Marking (ii) Sawing (iii) Chipping (iv) Grinding.
- 14.** Explain the following forging operations with a neat sketch : (i) Upsetting
(ii) Drifting (iii) Fullering (iv) Flattering.
- 15.** What is Stake? Explain any four types of stakes with neat sketches.
- 16.** Describe the Sensitive Drilling machine with a neat sketch.
- 17.** Explain cross rail type jig boring machine with a neat sketch.
- 18.** (a) Explain the following Hot working processes with a neat sketch :
(i) Drawing (ii) Spinning (iii) Direct extrusion (iv) Indirect extrusion.

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