



C09-M-402

**3502**

**BOARD DIPLOMA EXAMINATION, (C-09)**  
**MARCH/APRIL—2021**  
**DME - FOURTH SEMESTER EXAMINATION**  
**MANUFACTURING TECHNOLOGY - II**

Time : 3 hours ]

[ Total Marks : 80

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**PART—A**

4×5=20

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

1. How are milling machines classified?
2. List out three different milling cutters.
3. List three tool-holding devices used in milling.
4. What is the process of grinding?
5. How are grinding machines classified?
6. List out three non-conventional machining processes.
7. What is flash mould in plastics?
8. Differentiate between blanking and piercing.
9. State the meaning of press size.
10. How are jig boring machines classified?

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**PART—B**

15×4=60

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

11. Explain the function of main parts of universal milling machine with a neat sketch.
12. List and explain any one method of indexing with a neat sketch.
13. Explain various factors to be considered for selection of a grinding wheel.
14. Explain the following with neat sketches :
  - (a) Principle of electro-plating
  - (b) Working of Jig boring machine
15. Describe the ultrasonic machining with a neat sketch.
16. Explain the working of transfer moulding with a neat sketch.
17. Explain any three press working operations with the help of neat sketches.
18. List different types of dies. Explain any two with neat sketches.

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