



C16-M-405

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**5688**

**BOARD DIPLOMA EXAMINATION, (C-16)  
OCTOBER/NOVEMBER-2018  
DME-FOURTH SEMESTER EXAMINATION**

MANUFACTURING TECHNOLOGY-II

Time : 3 Hours ]

[ Total Marks: 80

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**PART-A**

3X10=30

**Instructions :**

1. Answer **All** questions.
2. Each question carries **Three** marks.
3. Answer should be brief and straight to the point and shall not exceed five simple sentences.

1. Write any three advantages of centreless grinding.
2. List out the applications of Honing.
3. State any three functions of organic coatings.
- \* 4. State any three limitations of Ultrasonic machining process.
5. State any three advantages of modern machining process.
6. List out any six engineering applications of plastics.
7. State any three differences between the Thermo-plastics and Thermo-setting plastics.
8. What is meant by power press.
9. Define jig and Fixture.
10. List out different instruments used for linear measurement.

## PART-B

10X5=50

*Instructions* \*

1. Answer any **Five** 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 various methods of grinding? Explain Internal grinding with sketch.
12. Explain the working principle of Electro-plating with a neat sketch.
13. Explain the Abrasive Jet Machining with a neat sketch. State its advantages and disadvantages.
14. (a) Explain the principle of Chemical Machining. State its applications.  
(b) State the advantages and limitations of Injection Moulding.
15. Explain Transfer Moulding with a neat sketch. State its advantages and disadvantages.
16. What are the different types of Dies. Explain any one die.
17. Explain different types of clamps used in Jigs and fixtures.
18. Describe the working of Tool Makers Microscope with neat sketch.

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