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C16-M-404

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BOARD DIPLOMA EXAMINATION, (C-16)

JUNE/JULY—2022

DME - FOURTH SEMESTER EXAMINATION

PRODUCTION TECHNOLOGY - II

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 four work holding devices used in milling machine.
2. Explain briefly metal slitting saw.
3. State any three difference between gear forming and gear generating.
4. Name any four properties of good abrasive used in grinding.
5. Mention the advantages and disadvantages of centerless grinding.
6. Mention any four advantages of electro-discharge machining.
7. What are the common methods for joining plastics?
8. What are the different types of dies?
9. List out any four types of Jigs.
10. List out various methods of hole measurement in Jig boring machine.

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PART—B

10×5=50

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

11. Explain differential indexing method showing the set up.
12. What are the various milling attachments used? Explain any one in detail.
13. Write short notes (a) anodising, (b) superfinishing, (c) honing and (d) parkerising.
14. Describe the ultrasonic machining with a neat sketch. State its advantages and limitations.
15. Explain high pressure lamination process for manufacturing of laminated tubes and rods.
16. (a) Explain the difference between compound die and progressive die.
(b) Draw the neat sketch of a simple die assembly and label the parts.
17. Explain any six different types of clamps with neat sketches.
18. Draw the line diagram of cross rail jig boring machine and explain its workability.

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