

Reg. No.:

Question Paper Code: X10713

B.E./B.Tech. DEGREE EXAMINATIONS, NOVEMBER/DECEMBER 2020 AND APRIL/MAY 2021

Seventh/Eighth Semester

Mechanical Engineering

ME 8793 - PROCESS PLANNING AND COST ESTIMATION

(Common to Materials Science and Engineering, Mechatronics Engineering, Mechanical and Automation Engineering, and Robotics and automation /production Engineering/manufacturing Engineering)

(Regulation 2017)

Time: Three Hours

Maximum: 100 Marks

Answer ALL questions. PART – A

(10×2=20 Marks)

- Write short notes on collective-single part drawing.
- Differentiate between continuous cutting and intermittent cutting with an example.
- In a turning process, the length of work piece is 80 mm, feed is 0.5 mm/rev. and cutting speed is 500 rpm. Calculate the time required for the cutting operation.
- In a manufacturing industry, the fixed cost for a particular year is Rs. 2,50,000.
 The variable cost is Rs. 15 per unit. The selling price of the component is Rs. 40. Calculate the value of break-even quantity.
- Brief on cost accounting.
- 6. What do you mean by depreciation?
- 7. In hot working process, surface finish is not good. Justify this statement.
- 8. List out few examples for indirect material cost in casting.
- 9. Define approach length in turning process.
- 10. Which operation is done to provide gripping in metal handles?

Estimation And Costing Question Paper

JA Banks

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