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**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)**

1. Write short notes on collective-single part drawing.
2. Differentiate between continuous cutting and intermittent cutting with an example.
3. 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.
4. 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.
5. 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

**I. Clement**



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Postgraduate School who spent many years working in the Department of Defense acquisition environment Cost Estimation Methods and Tools is an excellent reference for academics and practitioners in decision science operations research operations management business and systems and industrial engineering as well as a useful guide in support of professional cost estimation training and certification courses for practitioners The book is also appropriate for graduate level courses in operations research operations management engineering economics and manufacturing and or production processes

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