

Advanced Manufacturing Processes (AMPs)

Assignment I

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Assignment 1



1. Explain the Following Processes with the help of detailed working principle, schematic diagrams, mechanism of material removal, List of applications, advantages and Limitations:

- a) Electrochemical Machining
- b) Investment Casting
- c) Ultrasonic Machining
- d) Abrasive Water Jet Machining
- e) Magnetorheological Finishing
- f) Electrical Discharge Machining
- 2. Describe the classification of Advanced Manufacturing Processes on the basis of type of energy used.
- 3. Explain the Life cycle assessment and the concept of sustainable manufacturing