



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**MONAD UNIVERSITY, HAPUR**

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Dated:-17/10/2016

Course: MP-ME-231 – Advance Machining Process

Assignment No: 1

Due date of submission: 10/11/2016

Instructions

1. Write the responses to the assignment in your own handwriting & don't copy from other's assignment.
2. Submit the responses to your HoD within due date.
3. Write your name, programme, and Enrollment no. clearly at the top of the page.
4. Each question's part carries 5 marks.

Q.1

- (a) Describe the limitations of conventional machining processes.
- (b) Explain the ultrasonic machining process with neat diagram.

Q.2

- (a) Illustrate the Mechanics of metal removal process.
- (b) Explain the abrasive water jet machining principles.



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Course: MT-ME-232, Energy Management

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Q.1

- (a) Explain energy crisis and its future scenario.
- (b) Discuss the various energy conservation aspects.

Q.2

- (a) Write short notes on:
  - (i) HVAC system
  - (ii) Cooling towers
- (b) Explain human comfort and health requirements.