



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

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**Dated:-10/10/2017**

Course: EME-471, Entrepreneurship Development Program  
Assignment No: 2

Due date of submission: 23/10/2017

**Instructions**

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your “**course faculty**” 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 briefly government policies for SSI.

OR

Explain MUDRA yojana. How you can get benefit of it.

(b) Write the story from struggle to success of any women entrepreneur.

Q 2.

(a) What are the stages of economic development?

(b) What do understand by venture capital? Give any example.



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Dated:-10/10/2017

Course: EME-472, CAD

Assignment No: 2

Due date of submission: 23/10/2017

Instructions

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Q.1

- (a) You know about geometric transformation. If yes, explain the basic difference 2D and 3D geometric transformation.
- (b) You are aware of CRT, can you explain the process of CRT.

Q.2

- (a) As you are familiar with the output device, explain the various types of output device with suitable example.
- (b) You are aware of Bezier curve and B-spline curves. Explain it.



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**Dated:-10/10/2017**

Course: EME-473-Automobile engineering.

Assignment No: 2

Due date of submission: 23/10/2016

**Instructions**

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**Q.1**

(a) You are familiar with steering system of an automobile. Describe the Ackermann steering mechanism.

(b) You know about air conditioning system of a car. Draw the layout of the air conditioning system of a car and explain its working.

**Q.2**

(a) You are aware about suspension system of an automobile. Describe air suspension system with the help of neat sketch.

(b) You are familiar with braking system of an automobile. Describe hydraulic brake with the help of neat sketch.



# DEPARTMENT OF MECHANICAL ENGINEERING

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**Dated:-10/10/2017**

Course: EME-474, Computer Aided Manufacturing

Assignment No: 2

Due date of submission: 23/10/2017

### Instructions

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2. Submit the responses to your “**course faculty**” within due date.
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### Q1.

- (c) As you are aware about robotics. Explain the advantages of using robots in industries.
- (d) As you are aware about types of robots. Explain the following types of robots with neat diagram:
- i. Cartesian co-ordinate robots
  - ii. Cylindrical co-ordinate robots
  - iii. Polar co-ordinate robots
  - iv. Articulated robots
  - v. SCARA robots

### Q2.

- (a) As you are aware about computer aided manufacturing systems. Explain group technology along with its benefits and limitations.
- (b) As you are aware about computer aided manufacturing systems. Explain the objectives and types of a flexible manufacturing system.



# DEPARTMENT OF MECHANICAL ENGINEERING

## MONAD UNIVERSITY, HAPUR

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Course: EME-475, Mechanical System Design

Dated: - 10/10/2017

Assignment No: 2

Due date of submission: 23/10/2017

### Instructions

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4. Each question’s part carries 5 marks.

### Q.1

- (a) You are aware about attribute. Explain attributes characterizing system.
- (b) You know about system design. Explain briefly with the help of examples.

### Q.2

- (a) You are aware about PERT. Differentiate between PERT and CPM.
- (b) You are familiar about network flow diagram. Write the rules for network construction.