



DEPARTMENT OF MECHANICAL ENGINEERING
MONAD UNIVERSITY, HAPUR

Dated. – 17/10/2016

Course: EME-471 Entrepreneur Development Program

Assignment No: 2

Due date of submission: 10/11/2016

Instructions

1. Write the responses to the assignment in your own handwriting.
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) What do you mean by advertisement? How will you advertise?
- b) Explain inventory control and its importance.

Q.2

- a) Briefly explain workman compensation act.
- b) Define Laws concerning entrepreneur.



DEPARTMENT OF MECHANICAL ENGINEERING

MONAD UNIVERSITY, HAPUR

Dated. - 17/10/2016

Course: EME-472 Computer Aided Design

Assignment No: 2

Due date of submission: 10/11/2016

Instructions

1. Write the responses to the assignment in your own handwriting.
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Q.1

(a) Briefly explain the following commands.

(i) Trim (ii) Extend (iii) Lengthen

(b) How OSNAP is useful while drawing.

Q.2

(a) Describe the least square error fitting of straight line $y = mx+c$ to various data for x and y and find the constants m and c .

(b) Explain the concept of:

(i) Finite element method (FEM) (ii) Finite element analysis (FEA)



DEPARTMENT OF MECHANICAL ENGINEERING
MONAD UNIVERSITY, HAPUR

Dated.-17/10/2016

Course: EME-473, Automobile engineering

Assignment No: 1I

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) Explain the different types of drum brake.
- (b) Describe the power steering system with neat sketch.

Q.2

- (a) Describe the front wheel independent suspension system.
- (b) Write short notes on the following:
 - (i) Tubeless tyre
 - (ii) Disc brake



DEPARTMENT OF MECHANICAL ENGINEERING

MONAD UNIVERSITY, HAPUR

Dated. - 17/10/2016

Course: EME-474 Computer Aided Manufacturing

Assignment No: 2

Due date of submission: 10/11/2016

Instructions

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2. Submit the responses to your Hod within due date.
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4. Each question's part carries 5 marks.

Q.1

- a) What do you understand by Computer integrated manufacturing (CIM) & explain its function.
- b) Explain Mechatronics with suitable example.

Q.2

- a) Derive an expression for linear interpolator.
- b) Explain Programmable logic controller (PLC).



DEPARTMENT OF MECHANICAL ENGINEERING
MONAD UNIVERSITY, HAPUR

Dated:-17/10/2016

Course: EME-475, Mechanical System Design

Assignment No: 2

Due date of submission: 10/11/2016

Instructions

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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) Explain the material handling system used in mechanical industries.

(b) Explain the following terms:

- (i) Optimistic time (ii) Pessimistic time (iii) Most likely time

Q.2

(a) Draw network diagram for the following set of activities.

Activity	A	B	C	D	E	F	G	H	I	J	K	L	M
Preceded by	-	-	B	A	C	C	F	F	H	I	D,E,G,J	I	K,L

(b) Explain various types of forecast errors.