



MONAD UNIVERSITY

Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245101
Tehsil Hapur (U.P), India
EE Department

Programme: Diploma EE- 4th Semester

Course: ELECTRICAL AND ELECTRONICS ENGINEERING MATERIALS

Course Code: DEE-221

Assignment No: 2

Due date of submission: 20.04.2018

Instructions:-

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Program and Enrolment No. clearly at the top of this page.

Que.No.1

- (a) Explain the effect of temperature on resistance of metals.
- (b) What is ceramic? Explain the features and properties of ceramic.

Que.No.2

- (a) What do you understand by semiconducting materials? Explain with a suitable example.
- (b) Classify "Magnetic materials? Explain with a suitable example



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Programme: Diploma EE- 4th Semester

Course: ELECTRICAL CIRCUIT THEORY

Course Code: DEE-222

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

(a) What do you understand by the following terms:

- i. node
- ii. branch
- iii. mesh
- iv. active and passive elements

(b) State the following theorems

- i. Superposition
- ii. Thevenin's
- iii. Norton

Que.No.2

(a) What do you understand by coupled circuit? Explain with a suitable example

(b) draw the wave form of the following Function:

- i. Saw tooth
- ii. Ramp



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Programme: Diploma EE- 4th Semester

Course: ELECTRICAL MACHINE-II

Course Code: DEE-223

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) Explain the construction and working principle of synchronous motor.
- (b) What do mean by V-Curves? Explain with proper characteristics.

Que.No.2

- (a) Why the synchronous motor is not self starting? Explain the different methods for starting the synchronous motor.
- (b) What do you understand by Linear Induction Motor? Explain its principle of operation.



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Programme: Diploma EE- 4th Semester

Course: POWER SYSTEM -II

Course Code: DEE-224

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

(a) What is Booster? Explain the advantages and disadvantages of Booster.

(b) Explain the three wire D.C distribution system?

Que.No.2

(a) What is feeder? Explain the need of feeder in electrical system.

(b) Explain the routine inspection of overhead transmission line?