



MONAD UNIVERSITY

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

Programme: Diploma EE- 4th Semester

Course: ELECTRICAL MACHINE-II

Course Code: DIPEE-223

Assignment No: 1

Due date of submission: 12.03.2018

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) Are you aware with machine, if yes define different types of electrical machines.
- (b) Can you explain the working principle of D.C. generator and also differentiate with D.C. Motor.

Que.No.2

- (a) Are you aware with E.M.F., if you are aware than derive the E.M.F. and torque equation of D.C. Machine.
- (b) What do you understand by speed control of D.C. motor? Explain different methods for speed control of D.C. motor.



MONAD UNIVERSITY

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

Programme: Diploma EE- 4th Semester

Course: ELECTRICAL CIRCUIT THEORY

Course Code: DIPEE-222

Assignment No: 1

Due date of submission: 12.03.2018

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.

Q.1

- (a) Define active and passive, linear and non linear, unilateral and bilateral network parameter.
- (b) Define dependent and independent sources and write all their types and explain them.

Q.2

- (a) Explain superposition and Thevenin's theorem with the help of an example.
- (b) Explain Norton's theorem, maximum power transfer theorem, and Millman's theorem with an example for each.



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: DIPEE-221

Assignment No: 1

Due date of submission: 12.03.2018

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.

Q.1

- a) Explain the Conductor, Insulator and Semi-conductor in brief?
- b) Describe the factors affecting the resistivity of conductors?

Q.2

- a) Define Super conductivity?
- b) Define the Low Resistivity material in brief?



MONAD UNIVERSITY

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

Programme: Diploma EE- 4th Semester

Course: POWER SYSTEM-II

Course Code: DIPEE-224

Assignment No: 1

Due date of submission: 12.03.2018

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.

Q1.

- a) Describe the need and basic flow diagram of power system?
- b) Explain the supply system for overhead transmission lines?

Q2

- a) Explain the need and special feature of line supports?
- b) What is conductor? Explain the various types of conductor.