



## **MONAD UNIVERSITY**

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

**Programme:** Diploma EE- 4<sup>th</sup> Semester

**Course:** ELECTRICAL MACHINE-II

**Course Code:** DIPEE-223

**Assignment No:** 1

**Due date of submission:** 12.03.2019

### **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 principle operation of induction motor with diagram.

**(b)** Explain the starting methods of three phase induction motor.

### **Que.No.2**

**(a)** Explain the speed control methods of induction motor.

**(b)** Write short notes on- Starting torque and torque speed curve.



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**Programme:** Diploma EE- 4<sup>th</sup> Semester

**Course:** ELECTRICAL CIRCUIT THEORY

**Course Code:** DIPEE-222

**Assignment No:** 1

**Due date of submission:** 12.03.2019

### **Instructions:-**

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### **Q.1**

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

### **Q.2**

- (a) Explain superposition theorem with the help of an example.
- (b) Define the series resonance and parallel resonance.



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**Programme:** Diploma EE- 4<sup>th</sup> Semester

**Course:** ELECTRICAL AND ELECTRONICS ENGINEERING MATERIALS

**Course Code:** DIPEE-221

**Assignment No:** 1

**Due date of submission:** 12.03.2019

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### **Q.1**

- a) What do you understand of engineering materials? Explain.
- b) Classify electrical materials according to electrical resistivity and utility.

### **Q.2**

- a) Define the resistance of conductor and its resistivity.
- b) Define the Low Resistivity material in brief?



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**Programme:** Diploma EE- 4<sup>th</sup> Semester

**Course:** POWER SYSTEM-II

**Course Code:** DIPEE-224

**Assignment No:** 1

**Due date of submission:** 12.03.2019

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### **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.