



## **MONAD UNIVERSITY**

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

**Programme:** B.Tech EE- 4<sup>th</sup> Semester

**Course:** ELECTRICAL MACHINE-II

**Course Code:** BTEE-221

**Assignment No:** 2

**Due date of submission:** 22.04.2019

### 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, Programme and Enrolment No. clearly at the top of this page.

### **Q.1**

(a) Explain the cogging and crawling.

(b) Why starter is needed for starting the three phase induction motor? Explain and one method of starting for three phase induction motor.

### **Q.2**

(a) What do you understand by Induction Generator? Explain its working principle.

(b) Why the single phase induction motor is not self starting? Explain how we can make it self starting?



## **MONAD UNIVERSITY**

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

**Programme:** B.Tech EE- 4<sup>th</sup> Semester

**Course:** BUSINESS ECONOMICS & ACCOUNTING

**Course Code:** BCOM-221

**Assignment No:** 2

**Due date of submission:** 22.04.2019

### **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) Define Market structure? What are the determinants of the market structure.
- b) What is perfect competition? How a firm determine its price and output under perfect competition.

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

- a) What is Monopoly? Briefly explain its features.
- b) What do you understand by Price discrimination? What are the favourable circumstances for price discrimination.



## **MONAD UNIVERSITY**

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

**Programme:** B.TECH (EE/EEE) 4<sup>th</sup> Sem

**Course:** BASIC SYSTEM ANALYSIS

**Course code:** BTEE-224

**Assignment No:** 2

**Due date of submission:** 22.04.2019

### **Instruction:**

- 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 Enrollment number clearly at the top of the page.

Que.No.1

- (a) Explain sampling theorem.
- (b) Explain Residue Theorem.

Que.No.2

- (a) What is ROC? Write its properties.
- (b) Write the properties of Z-transform.



## **MONAD UNIVERSITY**

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

**Programme:** B. Tech. (4<sup>th</sup> Sem.)

**Assignment No:** 2

**Course:** ELEMENTS OF POWER SYSTEM

**Subject code:** BTEE-222

**Assignment submission date:** 22/04/2019

### **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, Programme and Enrolment No. clearly at the top of this page.**

### **Que.No.1**

- (a) What do you understand by single line diagram of power system?
- (b) Explain the phenomenon of “Corona” briefly. .

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

- (a) Explain the function of insulating materials for single phase, two phase and three phase.
- (b) What is “Skin effect”?



## **MONAD UNIVERSITY**

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

**Programme:** B. Tech. (4<sup>th</sup> Sem.)

**Assignment No:** 2

**Course:** ELECTRICAL AND ELECTRONICS ENGINEERING MATERIALS

**Subject code:** BTEE-223

**Assignment submission date:** 22/04/2019

### **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, Programme and Enrolment No. clearly at the top of this page.**

Que.No.1

- (a) What are ferromagnetic and ferrimagnetic materials?
- (b) Explain classification of materials based on energy band theory. .

Que.No.2

- (a) Using drift and diffusion current in a semiconductor, find an expression for continuity equation.
- (b) Write a short note on super conductivity.