

Assignment No: 1

CODE: DEE- 352

Submission Date: 10 November 2016

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 enrollment number clearly at the top of the Pages

### Q.1

a) Why are single phase inductions motors not self starting?  
Explain the working of a 1-  $\phi$  fan's motors and give its applications

b) Explain the construction and working principle of three phase induction motor and give its applications

### Q.2

a) What do you mean by synchronous motors? Explain the loading effect on synchronous motors.

b) What do you mean by Electric drive? Differentiating the electric drives and mechanical drives, illustrate these merits & demerits.

Course: **Electrical machine –ii (Diploma EE – 5<sup>TH</sup>)**

Assignment No: 2

CODE: DEE-352

Submission Date: 10 November 2016

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 enrollment number clearly at the top of the Pages

Q.1

- a) Explain faults, causes and remedies of three phase induction motor.
- b) Why do we use the starter in induction motor? Explain the D.O.L. starter with diagram.

Q.2

- a) Derive an Expression for the Frequency of rotor current in a 1-  $\phi$  induction motor.
- b) What do you understand by electric breaking? Describe effective Features of Breaking?

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

Course: DIPLOMA EE- 5<sup>th</sup> Sem. (Industrial Electronics & Control)- DEE-353

Assignment No: 1

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 the due date.
3. Write your Name, Programme and Enrolment No. clearly at the top of this page.

Q.1

- a) What do you mean by automatic feedback control system? Explain with diagram and example.
- b) What is power diode? How is it different from general PN junction diode?

Q.2

- a) What is silicon controlled rectifier? Also give its construction, characteristics and applications.
- b) What is DIAC? Describe the construction, operation, characteristics and applications of DIAC.

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

Course: DIPLOMA EE- 5<sup>th</sup> Sem. (Industrial Electronics & Control)- DEE-353

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 the due date.
3. Write your Name, Programme and Enrolment No. clearly at the top of this page.

Q.1

- a) What do you mean by principles of SCR commutation ? Explain also commutation methods of SCR.
- b) What is bridge power convertor ? Also explain it's principle of operation.

Q.2

- a) What is AC voltage regulator ? Also give it's construction, characteristics and applications.
- b) What is TRIAC ? Describe the construction, operation, characteristics and applications of TRIAC.

Course: DIM-354, INDUSTRIAL MANAGEMENT AND ENTREPRENEURSHIP DEVELOPMENT

Assignment No: 1

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.

Q1- What is Motivation? Explain.

Q1- प्रेरणा क्या है? समझाओ।

Q2- Explain the following: -

- a) Factors Determining Motivation.
- b) Positive & Negative Motivation
- c) Methods for Improving Motivation.
- d) Incentive, Pay promotion and rewards.

Q2- निम्नलिखित समझाओ: -

- क) प्रेरणा कारकों का निर्धारण।
- ख) सकारात्मक और नकारात्मक प्रेरणा।
- ग) प्रेरणा में सुधार के लिए तरीके।
- घ) प्रोत्साहन, वेतन पदोन्नति और पुरस्कार।

Course: DIM-354, Industrial Management & Entrepreneurship Development

Assignment No: 2

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.

#### Q1

(a) What is entrepreneurship? Explain.

(क) उद्यमिता क्या है? समझाओ।

(b) Explain Successful entrepreneurship and training for entrepreneurship development.

(ख) सफल उद्यमशीलता और उद्यमशीलता के विकास के लिए प्रशिक्षण समझाओ

#### Q2

(a) What is Human Resource Development? Explain.

(क) मानव संसाधन विकास क्या है? समझाओ।

(b) What is ABC analysis in Material Management?

(ख) सामग्री प्रबंधन में एबीसी विश्लेषण क्या है?

### **MONAD UNIVERSITY**

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

**Course:**Diploma (EE)-5<sup>th</sup> Sem.

**Subject:** Switchgear and Protection

**Subject code:** DEE-351

**Assignment No:** 1

**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 the due date.
3. Write your Name, Programme and Enrolment No. clearly at the top of this page.

**Q.1**

(a)What are the different types of faults occurring in the power system?

(b) What is fuse? How many types of fuses?

**Q.2**

(a) How are the circuit breakers classified?

(b)Draw appropriate diagram to show the complete operation of a SF6 circuit breaker. Give the merits of SF6 circuit breaker.

## **Assignment-2**

**Course:**Diploma (EE)-5<sup>th</sup> Sem.

**Subject:** Switchgear and Protection

**Subject code:** DEE-351

**Assignment No:** 1

**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 the due date.
3. Write your Name, Programme and Enrolment No. clearly at the top of this page.

**Q1. (a)** With a neat schematic diagram, explain the protection of transformer with differential Protection scheme.

**(b)** Write brief notes on:

- (i) Generator protection
- (ii) Bus bar protection

**Q2. (a)** Draw neat diagrams for induction disc (watt metric type) and induction cup relays to explain their operating principles.

**(b)** Explain about different types of substations.