MONAD UNIVERSITY

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

Programme: B.TECH (EE/EEE) 6th Sem

Assignment No: 2

Course: Switch gear and protection

Course code: BTEE-321

Assignment submission date: 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.

Q1.

a) Explain in detail over current protection?

b) What is the carrier current protection? Explain with diagram.

Q2

a) Write short note on-arc extinguish theory and current chopping?

b) Explain the circuit breaker in details with testing?

Programme: B.TECH (6th SEM.)

Assignment: 2

Course: Utilization of electric power and traction.

Course code: BTEE-322

Assignment submission date: 22/04/2019

Instruction:

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Q1.

a) Explain the laws of electrolysis.

b). Explain the requirement of good lightening.

Q2

a) Write short notes on- Refrigeration systems, domestic refrigerator.

b) What is electric traction? Explain with types of electric traction.

Programme: B.TECH (6th SEM.)

Assignment: 2

Course: Fundamental course in managerial economics.

Course code: (HG-326)

Assignment submission date: 22/04/2019

Q.1

a) Explain about demand forecasting Meaning, significance and methods of demand forecasting.
b) Explain the Laws of returns to scale & Law of Diminishing returns scale.

Q.2

a) Write short notes on- fixed cost, variable cost, average cost, marginal cost, Opportunity cost.
b) What do you mean by Meaning of Inflation?

Programme: B.TECH (6th SEM.)

Assignment: 2

Course: Power Electronics.

Course code: BTEE-323

Assignment submission date: 22/04/2019

Instructions

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Que.No.1

(a) Explain Power Semiconductor Devices- Diodes, SCRs, BJT, MOSFET and IGBT with diagram.

(b) You know about the AC –DC Converters then explain the Analysis of single phase and three-phase uncontrolled rectifiers.

. Que.No.2

(a) You know about UPS then explain ON- Line and OFF- Line UPS and justify why ON- Line UPS is better.

(b) You know about the Controller design then explain the Controller design for single loop voltage feedback.

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Programme: B.TECH (6th SEM.)

Assignment: 2

Course: Control System

Course code: BTEE-324

Assignment submission date: 22/04/2019

Instructions

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Q.1

 (a) Explain the State space representation of digital control system.

 (b) Define the controllability and observability?

Q.2

(a) Write short note on- design of digital control system with state feedback.

(b) Explain the Discrete Euler Lagrange equation.