



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: 1

Course: Switch gear and protection

Course code: BTEE-321

Assignment submission date: 12/03/2019

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 the protection system and its elements?**
- b) What is the primary and back protection? Explain with diagram.**

Q2

- a) Write short note on- thermal and gas actuated relay?**
- b) Write short note on-over current relay and differential relay?**



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Utilization of electric power and traction.

Course code: BTEE-322

Assignment submission date: 12/03/2019

Instruction:

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- 2) Submit the responses to your HOD within the due date.**
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Q1.

- a) What is electric heating? Explain with advantages and disadvantages.**
- b) Explain in briefly dielectric heating.**

Q2

- a) Explain electric arc and electric resistance welding.**
- b) Explain the laws of illumination.**



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Fundamental course in managerial economics.

Course code: (HG-326)

Assignment submission date: 12/03/2019

Q.1

- a) Explain about introduction, meaning and nature of economics.
- b) What do you mean by managerial economics and its scope?

Q.2

- a) Discuss about to concept of demand analysis.
- b) What do you mean by elasticity of demand?



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Power Electronics.

Course code: BTEE-323

Assignment submission date: 12/03/2019

Instructions

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Q.1

- a) Explain the thyristor with characteristics and turn on methods.
- b) Explain the Operation and steady state characteristics of Power MOSFET and IGBT.

Q.2

- a) Explain the two transistor model with diagram.
- b) Explain the Series and parallel operation of thyristors Commutation techniques of thyristor.



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Control System

Course code: BTEE-324

Assignment submission date: 12/03/2019

Instructions

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2. Submit the responses to your HOD within the due date.
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Q.1

- (a) Explain the basic digital control system with advantages.
- (b) Define basic discrete time signals?

Q.2

- (a) Write short note on- Steady state accuracy and transient response?
- (b) Explain the digital compensator design using frequency response plots and root locus plots.