



MONAD UNIVERSITY

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

Programme: B. Tech 7th SEM EEE

Course: Switch Gear & Protection

Course Code: EEE-471

Assignment No: 1

Due date of submission: 10.09.2017

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) What do you understand by the protection system of a power system?
- (b) What do you understand by the relays? How many types of relays? Explain in brief?

Que.No.2

- (a) Explain the working principal of electromagnetic relay in brief?
- (b) Describe the comparison between induction type relay and thermal relay?



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Electrical Engineering Department

Programme: B. Tech 7th SEM EEE

Course: Satellite Communication

Course Code: EEE-472

Assignment No: 1

Due date of submission: 10.09.2017

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Que.No.1

- (a) You know that Satellite is an important part of Communication then define the various elements of Satellite Communication.
- (b) Define the Orbital mechanics for Satellite Communication.

Que.No.2

- (a) I know you are aware about control systems of satellite communication then define the attitude and orbit control systems for satellite communication.
- (b) Define the Functional block diagram of satellite communication subsystem.



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Electrical Engineering Department

Programme: B. Tech 7th SEM EEE

Course: Power Quality

Course Code: EEE-473

Assignment No: 1

Due date of submission: 10.09.2017

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Que.No.1

- (a) What is power quality? Discuss about the cause of power quality deterioration & source of power quality problem
- (b) What are transients? Explain factors affecting the transients.

Que.No.2

- (a) Explain about the short duration variations in details.
- (b) Explain voltage fluctuation in details.



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Electrical Engineering Department

Programme: B. Tech 7th SEM EEE

Course: EHVAC & DC Transmission

Course Code: EEE-474

Assignment No: 1

Due date of submission: 10.09.2017

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Que.No.1

- (a) Give a detail description about the extra high voltage transmission of electrical power.
- (b) What do you understand by bundled conductors? What are the crucial advantages of using it?

Que.No.2

- (a) Elaborate the term HVDC transmission. Also mention its crucial significances and drawbacks.
- (b) Elaborate a three core underground cable with neat diagram in detail. Also specify the causes of failure of underground cables.



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Electrical Engineering Department

Programme: B. Tech 7th SEM EEE

Course: Instrumentation & Process Control

Course Code: EEE-475

Assignment No: 1

Due date of submission: 10.09.2017

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Que.No.1

- (a) Define the transducer. Also explain the advantage of electrical transducers.
- (b) What do you mean by potentiometers?

Que.No.2

- (a) Explain resistance thermometer.
- (b) Explain the working of LVDT with suitable diagram.