MONAD UNIVERSITY

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

Programme: B. Tech 7th SEM EE

Course: Switch Gear & Protection

Course Code: EET-471

Assignment No: 2

Due date of submission: 23.10.2017

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 re-striking voltage transient?

(b) Write a detail note on pilot wire protection of a transmission line?

Que.No.2

(a) Explain the arc phenomenon in the circuit breaker?

(b) Describe the operating principal of DC circuit breaker?

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Tehsil Hapur (U.P), India
Electrical Engineering Department

Programme: B. Tech 7th SEM EE

Course: Electric Drive

Course Code: EET-472

Assignment No: 2

Due date of submission: 23.10.2017

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 mean by transient stability of electric Drive?

(b) Discuss the purpose and types of electric braking.

Que.No.2

(a) What do you mean by load equalization?

(b) Discuss the steady state stability of electric drive.

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Tehsil Hapur (U.P), India
Electrical Engineering Department

Programme: B. Tech 7th SEM EE

Course: Power Quality

Course Code: EET-473

Assignment No: 2

Due date of submission: 23.10.2017

Instructions:-

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
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Que.No.1

(a) How utilities can deal with the problems related to capacitors switching transients?

(b) Explain the various strategies for utilities to use to decrease the impact of lighting?

Que.No.2

(a) Describe about the harmonic filters in detail?

(b) Define following:

- Switching surges
- Good power quality
- Poor power quality
- Outage
- Transient over voltages

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Tehsil Hapur (U.P), India
Electrical Engineering Department

Programme: B. Tech 7th SEM EE

Course: EHV AC & DC

Course Code: EET-474

Assignment No: 2

Due date of submission: 23.10.2017

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) Discuss the method of measuring high impulse currents. Explain the sub-synchronous problem in EHV lines and discuss the counter measures to minimize it.

(b) What are the various types of HVDC links? Explain briefly

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Que.No.2

(a) Explain the measurement of high voltage by sphere gaps and potential dividers. Also discuss the advantages and disadvantages of sphere gaps method over potential dividers method.

(b) Explain the voltage multiplier circuits. Also explain the cascade connection of transformer for producing very high AC voltages.

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Electrical Engineering Department

Programme: B. Tech 7th SEM EE

Course: Power System Practice

Course Code: EET-475

Assignment No: 2

Due date of submission: 23.10.2017

Instructions:-

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
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Que.No.1

(a) Discuss the operational principle of gas turbine power plant.

(b) What do you understand by disposal of nuclear waste material?.

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Que.No.2

(a) What the requirements for site selection, for a diesel power plant.

(b) Define

(i) Penalty factor

(ii) Hydro thermal scheduling