



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: Power System-II

Course code: EEE/EET-364

Assignment submission date: 12/03/2018

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) Why we need to study the per unit representation in power system?
- b) What is the significance of load flow analysis in a power system?

Q2

- a) What are the advantages of Y_{bus} and Z_{bus} ?
- b) Compare the performance of Gauss-Seidel and Newton-Raphson methods for load flow solution?



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EE Department

Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Power Electronics Devices

Course code: (EET/EEE-361)

Assignment submission date: 12/03/2018

Instruction:

- 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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Q1.

- a) Explain the behavior of (i) conductor; (ii) insulator; and (iii) semiconductor with the help of energy band diagrams. Specifically bring out the differences between them.
- b) You know about the semiconductor then explain why Si preferred to Ge as a semiconductor in electronics applications?

Q2

- a) You know about the thyristor then explain the factors that influence the turn off time of thyristor.
- b) You know about the frequency transformer then explain the difference between low frequency and high frequency transformer.



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Industrial Management

Course code: (EIM-366)

Assignment submission date: 12/03/2018

Q.1

- a) "Management is to the business, what mind is to a human being." Explain this statement.
- b) What are the essential characteristics of the principles of management? Do they suffer from any limitation?

Q.2

- a) "Planning is looking ahead, and control is looking back." Explain.
- b) Explain in detail about 14 principles propounded by Henry Fayol.



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Data Base management System

Course code: (EET/EEE-362)

Assignment submission date: 12/03/2018

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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Q.1

- a) Explain history of database.
- b) Explain the advantages and disadvantages of Database Management System.

Q.2

- a) Explain all the models of DBMS in detail.
- b) Explain all the data types of SQL in detail.



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: High Voltage Engineering

Course code: (EET/EEE-365)

Assignment submission date: 12/03/2018

Instructions

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Q.1

- (a) Explain the Ionization processes in Gases?
- (b) Define Townsend's current growth equation?

Q.2

- (a) Explain the breakdown processes in solid and liquid dielectrics?
- (b) Explain the Paschen's law in brief?



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Programme: B.TECH (6th SEM.)

Assignment: 1

Course: Principle of Communication

Course code: (EET/EEE-363)

Assignment submission date: 12/03/2018

Instructions

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Q.1

- a) Explain the need for Modulation.
- b) Sketch and explain Radio Transmitter and Receiver.

Q.2

- a) Explain Vestigial Side Band Amplitude Modulation.
- b) Sketch and explain Angle Modulation.