



MONAD UNIVERSITY

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

Programme: B.Tech EE- 6th Semester

Course: POWER ELECTRONIC DEVICES

Course Code: EET-361

Assignment No: 2

Due date of submission: 20.04.2018

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) 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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EE Department

Programme: B.Tech EE- 6th Semester

Course: DATA BASE MANAGEMENT SYSTEM

Course Code: EET-362

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) Explain all aggregate function with examples.
- (b) Explain functional dependencies with normal forms in DBMS.

Que.No.2

- (a) Explain joins and unions with examples.
- (b) Explain cursor with examples in SQL.



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Programme: B.Tech EE- 6th Semester

Course: PRINCIPAL OF COMMUNICATION ENGINEERING

Course Code: EET-363

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

(a) Sketch and explain Pulse Amplitude Modulation.

(b) Explain PCM System.

Que.No.2

(a) Explain Delta Modulation.

(b) What are the Sources of Noises? Explain them.



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Programme: B.Tech EE- 6th Semester

Course: POWER SYSTEM-II

Course Code: EET-364

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) Give the general procedure used in the analysis of various types of shunt faults?
- (b) What is meant by swing curve and how it is determined?

Que.No.2

- (a) Develop an equivalent network showing the interconnection of sequence networks to simulate a double line to ground fault?
- (b) Explain the equal area criterion for the stability of an alternator supplying infinite bus bars via an inductive interconnector?



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Programme: B.Tech EE- 6th Semester

Course: HIGH VOLTAGE ENGINEERING

Course Code: EET-365

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) What do you understand by ionization processes?
- (b) Classify of liquid dielectric process and explain them briefly.

Que.No.2

- (a) What do you understand by generation of high alternating voltage?
- (b) Explain the following terms:
- i. Tripping
 - ii. Impulse current



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Programme: B.Tech EE- 6th Semester

Course: INDUSTRIAL MANAGEMENT

Course Code: EIM-366

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

(a) You know that Quality Control & Total Quality Management are two different things. You will learn more if you define both of them & differentiate between them.

(b) Describe the various methods of controlling industrial pollution.

Que.No.2

(a) “Many productive activities and technologies that we use have a disastrous impact on mankind” Comment.

(b) What do you understand by Acceptance Sampling? Explain the methods of double sampling & sequential sampling.