



MONAD UNIVERSITY

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

Programme: B.Tech EE- 4th Semester

Course: ELECTRICAL MACHINE-II

Course Code: BTEE-221

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 the cogging and crawling.

(b) Why starter is needed for starting the three phase induction motor? Explain and one method of starting for three phase induction motor.

Que.No.2

(a) What do you understand by Induction Generator? Explain its working principle.

(b) Why the single phase induction motor is not self starting? Explain how we can make it self starting?



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EE Department

Programme: B.Tech EE- 4th Semester

Course: ELEMENTS OF POWER SYSTEM

Course Code: BTEE-222

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) What do you understand by single line diagram of power system?
- (b) Explain the phenomenon of “Corona” briefly.

Que.No.2

- (a) Explain the function of insulating materials for single phase, two phase and three phase.
- (b) What is “Skin effect”?



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Programme: B.Tech EE- 4th Semester

Course: ELECTRICAL AND ELECTRONICS ENGINEERING MATERIALS

Course Code: BTEE-223

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) What are ferromagnetic and ferrimagnetic materials?
- (b) Explain classification of materials based on energy band theory.

Que.No.2

- (a) Using drift and diffusion current in a semiconductor, find an expression for continuity equation.
- (b) Write a short note on super conductivity.



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Programme: B.Tech EE- 4th Semester

Course: BASIC SYATEM ANALYSIS

Course Code: BTEE-224

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) Explain sampling theorem.
- (b) Explain Residue Theorem.

Que.No.2

- (a) What is ROC? Write its properties.
- (b) Write the properties of Z-transform.



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Programme: B.Tech EE- 4th Semester

Course: BUSINESS ECONOMICS & ACCOUNTING

Course Code: BCOM-221

Assignment No: 2

Due date of submission: 20.04.2018

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Que.No.1

- (a) What do you mean by NDP and GDP ?
- (b) Explain about approaches to measurement of National Income?

Que.No.2

- (a) What are the problems of under developing economies?
- (b) How long will be wait to become 6 trillion economies?