



MONAD UNIVERSITY

Village & Post Kastla, Kasmabad, P.O Pilkhuwa - 245101

Tehsil Hapur (U.P), India

Electrical Engineering Department

Programme: Diploma 3rd SEM EE

Course: Basic Electrical & Electronics Engineering

Course Code: DIPEE-211

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) Make a difference between the following terms:

- i) Average value and maximum value
- ii) Peak value and cycle
- iii) Frequency and amplitude

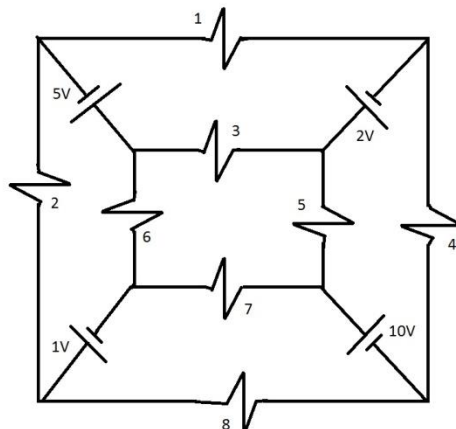
(b) How many supply are commonly present in India? Draw the phase and graph diagram of all the supply system.

Que.No.2

(a) What do you understand by the following terms:

- i) Active and passive elements
- ii) Resistance and inductor
- iii) A.C. and D.C.

(b) Find the value of current in 3 ohm resistance in the given figure by using KVL.





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Electrical Engineering Department

Programme: Diploma 3rd SEM EE

Course: Power System-I

Course Code: DIPEE-212

Assignment No: 2

Due date of submission: 23.10.2017

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Que.No.1

- (a) What are the necessary conditions of the site selection hydro electric power plant? Also explain the advantages and disadvantages of hydro electric power plant.
- (b) Draw the block diagram and explain working of nuclear power plant.

Que.No.2

- (a) Explain the main components and working of diesel power plant.
- (b) Explain the energy and mass relation due to fission and fusion.



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

Programme: Diploma 3rd SEM EE

Course: Electrical Machine-I

Course Code: DIPEE-213

Assignment No: 2

Due date of submission: 23.10.2017

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Que.No.1

- (a) Derive the E.M.F equation of D.C. Motor?
- (b) Discuss the speed control method to control the speed of D.C. motor.

Que.No.2

- (a) Draw the speed and torque characteristics of D.C. compound generator.
- (b) Why the starter is needed for D.C. motor? Explain the working of three point starter.



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Electrical Engineering Department

Programme: Diploma 3rd SEM EE

Course: Electrical Drawing & Design

Course Code: DIPEE-214

Assignment No: 2

Due date of submission: 23.10.2017

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Que.No.1

- (a) Define lead sheathed and flexible cable.
- (b) What do you mean by ceiling rose?

Que.No.2

- (a) Explain one light point controlled from two places with diagram.
- (b) Explain fan circuit with the help of multiline wiring diagram.