



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 of Electronics

Course Code: DIPEE-211

Assignment No: 1

Due date of submission: 10.09.2017

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) You know about the properties of materials then define Conductor, Semiconductor & Insulator with suitable examples.
- (b) You know about energy band diagram then draw and explain the energy band diagrams of Conductor, Semiconductor & Insulator.

Que.No.2

- (a) You are aware the effect of temperature on semiconductors conductivity then defines the effect of temperature on conductivity of intrinsic semiconductors.
- (b) You are aware about P-N junction diode then explain the biasing of P-N junction diode with the help of suitable diagram.



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Electrical Engineering Department

Programme: Diploma 3rd SEM EE

Course: Basic Electrical Engineering

Course Code: DIPEE-212

Assignment No: 1

Due date of submission: 10.09.2017

Instructions:-

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Que.No.1

(a) Describe the ohm's law?

(b) What do you understand by the electric current with example?
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Que.No.2

(a) Explain the comparison between the conductor and insulator?

(c) **Define:-**

- EMF
- Resistivity
- Conductivity
- Inductor
- Capacitor



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Electrical Engineering Department

Programme: Diploma 3rd SEM EE

Course: Electrical Machine-I

Course Code: DIPEE-213

Assignment No: 1

Due date of submission: 10.09.2017

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Que.No.1

- (a) Define the motor and generator with examples.
- (b) What do you mean by the torque and magnetic field?
- .

Que.No.2

- (a) What do you understand by the electrical machines?
- (b) What are the common features of rotating electrical machines?



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Electrical Engineering Department

Programme: Diploma 3rd SEM EE

Course: Power System-I

Course Code: DIPEE-214

Assignment No: 1

Due date of submission: 10.09.2017

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Que.No.1

(a) Explain the various types of source of energy?

(b) What do you understand by the power plants?

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Que.No.2

(a) Compare power and energy?

(b) What is fuel? How many types of fuel are available in India?



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Electrical Engineering Department

Programme: Diploma 3rd SEM EE

Course: Electrical Workshop

Course Code: DIPEE-215

Assignment No: 1

Due date of submission: 10.09.2017

Instructions:-

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Que.No.1

(a) What do you mean by joint box method for the wiring?

(b) Explain the PVC casing capping wiring.

Que.No.2

(a) Define Neon Tester with diagram.

(b) Draw the electrical symbol of the following

- (i) Hooter
- (ii) Push Bell
- (iii) Buzzer
- (iv) Tube light
- (v) Indicating Lamp



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

Programme: Diploma 3rd SEM EE

Course: Electrical Drawing & Design

Course Code: DIPEE-216

Assignment No: 1

Due date of submission: 10.09.2017

Instructions:-

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2. Submit the responses to your HOD within the due date.
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Que.No.1

- (a) What are the electrical symbols? And what is the need of them?
- (b) Draw the electrical symbols of the following.
- (i) Emergency Lamp (ii) Storage type water heater (iii) Ceiling fan (iv) Exhaust fan (v) Hooter
(vi) Rewireable Fuse (vii) Plug and Socket (viii) Transformer (ix) Starter (x) Conduit wiring on surface.

Que.No.2

- (a) Explain the miniature circuit breaker.
- (b) Describe different types of cables on the basis of electrical insulation.