

Assignment For DIPLOMA in electrical Engineering 4th Sem.

The Assignment will consist of two parts, A and B. Part A will have 5 short answer questions(40-60 words) of 4 marks each. Part B will have 2 long answer questions of 10 marks each

All questions are compulsory.

These Assignments should be completed and submitted in written form by the student to his/her respective Faculty/ Examiners. Assignment Submission Dates are:

List Of Suggested Questions

The list of suggested questions are for students to practice. Although optional, we recommend that students solve these questions, as they will help them in preparing for exams as well as in clearing the important concepts of the subject.

List of Practical and suggested practical's

The list of practical's should be done by the students in their Lab Sessions. These are the basic practical's, which each student should be able to do himself independently. While the list of suggested practicals are optional, but it is recommended that students should perform those practical so as to have a thorough knowledge of the subject

Education Delivery Schedule (EDS)

As per University Semester scheme, the minimum contact hours of each paper has been Divided into two hours theory and practical class.

The faculty will maintain this attendance paper wise for his/her batch.

Subject code	Subject name
DEC-41	Electronics-II
DEE-41	Electrical Design, Drawing and Estimating-I
DEE-42	Power Plant Engg
DEE-43	Trans. & Distri of Elect.

J.S UNIVERSITY

Cover page of Assignment

ID NUMBER

NAME

COURSE DIPLOMA

STREAM ELECTRICAL.....

SEM 4th

SUBJECT CODE

SUBJECT NAME

ASSIGNMENT FOR DIPLOMA 4TH SEM ELECTRICAL ENGINEERING

Electronics-II

Part A

- (1)- Explain the active and passive component.
- (2)- Explain intrinsic and extrinsic semiconductor.
- (3)-Explain P-type and N-type semiconductor.
- (4)- Explain working of PN junction
- (5)- What is LED and Photo diode.

Part B

- (1)- Explain the working of npn transistor.
- (2)- Draw Logic Gates - Symbol and truth tables of AND, OR, NOT, NAND, NOR and EX-OR gates
- (3)- Derive the relation between β and α .
- (4)- Draw the input and output characteristics of common base junction.
- (5)-Explain effect of temperature in intrinsic and extrinsic semiconductor.

ASSIGNMENT FOR DIPLOMA 4TH SEM ELECTRICAL ENGINEERING

Electrical Design,Drawing and Estimating-I

Part A

- 1) Why are we use electrical symbols.
- 2) Draw electrical symbol of MSB And DB with switch.
- 3) Draw electrical symbol of fan regulator and bracket fan.
- 4) Draw electrical symbol of HRC switch and kit-kat fuse.
- 5) Draw electrical symbol of chain lamp fixer.

Part B

- 1) Draw scheme diagram of one light point control from two Place.
- 2) Draw scheme and multi line diagram of one light from three Place.
- 3) Draw scheme diagram of open corridor lighting.
- 4) Draw multiline diagram of close corridor lighting.
- 5) Draw scheme diagram of domestic room.

ASSIGNMENT FOR DIPLOMA 4TH SEM ELECTRICAL ENGINEERING

Power Plant Engg.

Part A

- 1 Qus explain Main parts and working of stations-thermodynamic cycles?
- 2 qus explain steam power plant heatbalance and its efficiency?
- 3 qus what are the Types of hydroelectric plants and their fields of use?
- 4 qus what are the Elements of nuclear power plant?
- 5 qus explain Diesel engine performance and operation?

Part B

- 1 qus explain the Advantages of combined working of different types of powerplants?
- 2 qus write the difference between Microhydel Energy and Biodiesel Energy?

ASSIGNMENT FOR DIPLOMA 4TH SEM ELECTRICAL ENGINEERING

TRANSMISSION AND DISTRIBUTION OF ELECTRICAL POWER

Part A

- 1 qus** draw the Layout of different transmission and distribution systems,?
- 2 qus how Many]types of supports? explain
- 3 qus what is Kelvin's law and also explain limitations of Kelvin's law?
- 4 qus explain the all types of insulators?
- 5 qus. What are the Effect of low power factor and also explain causes of low power factor?

Part B

- 1 qus write the** difference between radio transmission and carrier communication,?
- 2qus write the comparison of over headlines and under ground cables?

