J.S University

Assignment For B.TECH in ELECTRICAL Engineering 7th 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.

J.S UNIVERSITY

Cover page of Assignment

ID NUMBER   …………………………………

NAME   …………………………………

COURSE   B.TECH

STREAM   ELECTRICAL……………………………

SEM 7th …………………………………

SUBJECT CODE   …………………………………

SUBJECT NAME   …………………………………

ASSIGNMENT FOR B.TECH 7th SEM ELECTRICAL ENGINEERING

QUALITY MANAGEMENT

Part-A

1. What is quality concept of design in quality management?
2. Why is control on purchased product necessary?
3. Which type of Organisation structure is most suitable for a multi product company?
4. What is the construction of the control chart?
5. What is the difference between defect prevention and defect detection?

Part-B

1. How do you calculate reliability of a machine?
2. What are the methods of interpreting the results of assessment?

ASSIGNMENT FOR B.TECH 7th SEM ELECTRICAL ENGINEERING

Analog & Digital Communication

Part-1

1. What are the different types of amplitude modulation detectors?
2. What is an example of frequency division multiplexing?
3. What is narrowband vs wideband frequency?
4. What is the sampling process of pulse modulation?
5. What is the difference between coherent and noncoherent methods?

Part-2

1. What is the application of TDM in communication system?
2. What are the types of synchronization in computer science?

ASSIGNMENT FOR B.TECH 7th SEM ELECTRICAL ENGINEERING

Electric Drives

Part-A

1. What are the different types of electric motor drives?
2. What is electric drive advantages and disadvantages?
3. What is the difference between steady state stability and transient state stability?
4. What is the maximum continuous rating of a motor?
5. What is the importance of electric braking?.

Part-B

1. How do you calculate the starting time of an induction motor?
2. What is dynamic braking in chopper based separately excited motor dc motor?

ASSIGNMENT FOR B.TECH 7th SEM ELECTRICAL ENGINEERING

POWER SYSTEM OPERATION AND CONTROL

Part 1

1. What is the difference between power system and control system?
2. What is incremental fuel cost with reference to hydro generating units?
3. What are the types of governing system in turbine?
4. What is load frequency control of single area system?
5. What is a block diagram representation of system?

Part 2

1. What is the difference between a block diagram and a circuit diagram?
2. How to control the voltage fluctuation using the on load and off load tap changing transformer?