

J.S University

Assignment For B.TECH in computer science 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 CS

SEM 7TH SEM.....

SUBJECT CODE

SUBJECT NAME

ASSIGNMENT

J. S. University

ASSIGNMENT

B.Tech CS 7th Semester

QUALITY MANAGEMENT

Part-1

1. Evolution of Quality Control and concept change.
2. Quality concept in design and Review of design.
3. Explain Manufacturing Quality Methods and techniques for manufacture.
4. Define the Quality Management Organization structure and design.
5. Describe the Human Factor in quality Attitude of top management.

Part-2

6. Explain the Control Charts Theory of control charts and measurement range.
7. Explain ISO-9000 and its concept of Quality Management7.

DISTRIBUTED SYSTEMS

Part-1

1. Introduction Distributed Systems and Examples of distributed Systems.
2. Define Resource sharing and the Web Challenges.
3. Limitation of Distributed system.
4. Classification of distributed mutual exclusion.
5. Explain Token based and non token based algorithms.

Part-2

6. Describe the Byzantine agreement problem.
7. Explain Optimistic Concurrency control and Timestamp ordering.

ARTIFICIAL INTELLIGENCE

Part-1

1. Introduction to Artificial Intelligence, Foundations and History of Artificial Intelligence.
2. Explain Searching for solutions, Uniformed search strategies and Informed search strategies.
3. Describe Local search algorithms and optimistic problems.
4. Explain the Propositional logic And Theory of first order logic.
5. Describe Hidden Markov Models (HMM).

Part-2

6. Explain Supervised and unsupervised learning.
7. Explain Statistical learning models and Learning with complete data.

ANDROID OPERATING SYSTEM

Part-1

1. Describe Android OS Android Software Stack.
2. Different between Android OS and IOS.
3. Explain User Interfaces Views, Layouts and Android Widgets.
4. Explain about Event Reception with Broadcast Receivers.
5. Describe Adapters and Data Binding.

Part-2

6. Write about Wi-Fi.
7. Explain the Touch screen Capturing Touch Events.

CRYPTOGRAPHY & NETWORK SECURITY

Part-1

1. Describe about the Introduction to security attacks, services and mechanism.
2. Explain Shannon's theory of confusion and diffusion.
3. Write about Advanced Encryption Standard (AES) encryption and decryption Fermat's and Euler's theorem.
4. Explain hash functions, birthday attacks, security of hash functions, Secure hash algorithm.
5. Explain Symmetric key distribution and Diffie-Hellman Key Exchange.

Part-2

6. Explain Introductory idea of Intrusion, Intrusion detection.
7. Describe the Viruses and related threats, firewalls.

ASSIGNMENT