

Programme : Masters of Computer Application (MCA)
Semester : III

Subject Code : 301

Subject : Software Engineering

Attempt any TWO assignment from the following

- Q1** Discuss the fact finding techniques with their advantages and disadvantages.
- Q2** Explain inspection procedure with help of role players in it.
- Q3** Describe the concept of data dictionary with example.
- Q4** What do you mean by structured analysis and design? List and explain in short the various tools of it.
- Q5** Discuss the need and content outline for the any user manual
- Q6** Explain SCM process in brief.
- Q7** Write a note on the following:
a) Features of modern GUI
b) System Analyst
- Q8** What are various design issues for user interface?
- Q9** What is need for SCL?
- Q10** What is data dictionary?

Subject Code : 302

Subject : Computer Communication Networks

Attempt any TWO assignment from the following

- Q1** Explain in detail the OSI reference model with its functions.
- Q2** What are different types of Networks? Explain functions and features in LAN
- Q3** Explain in detail the working of TCP/IP model with appropriate diagram.
- Q4** Write the types of Internetworking devices and its functions.
- Q5** What are different network topology? Explain their functions.
- Q6** Describe Data rate and Bit rate.
- Q7** Write a short note on the following:
a) Routing Techniques
b) Frame Relay
- Q8** Write detail note on the Multiplexing technique. Explain advantages and disadvantages of each.
- Q9** What are the types of Work stations?
- Q10** What is network architecture?

Subject Code : 303

Subject : Object Oriented Programming

Attempt any TWO assignment from the following

- Q1** What is Abstract class explain with example? Also explain the keyword 'Final' in Java.
- Q2** Discuss various types of inheritance supported by C++ and JAVA
- Q3** Explain the concept of operator overloading and its implementation in C++ or JAVA
- Q4** Discuss inline function, friend function and function overloading in C++
- Q5** Explain name spaces in JAVA.
- Q6** Explain the concept of memory management in C++ and JAVA
- Q7** What are manipulators in C++?
- Q8** What is operator overloading?
- Q9** Write a programme to find out number of students pass, fail and ATKT in annual exam. Using hierarchical inheritance.
- Q10** What is Thread Life Cycle?

Subject Code : 304**Subject : Communication & Organizational Behavior****Attempt any TWO assignment from the following**

- Q1** Define mass communication; explain merits and demerits of Internet as a mass communication tool, by citing examples.
- Q2** What is leadership? Which leadership style is better? Why?
- Q3** Write a note on :
a) Non Verbal communication
b) Listening skills
- Q4** Define the term 'Organisation structure'. Explain project organization with its relevance in today's business.
- Q5** "An interview is a purpose full exchange of ideas, the answering of questions and communication between two or more persons". Comment.
- Q6** Design an effective 'Motivation plans' for newly recruited sales officers by a medium scale 'IT' company operating in metro cities.
- Q7** Write on effective presentation in detail with example.
- Q8** Not all managers are leaders. Why?
- Q9** Why is it necessary to plan a letter of application?
- Q10** Difference between presentation & interviews and what is common between both.

Subject Code : 305**Subject : Decision Technologies****Attempt any TWO assignment from the following**

- Q1** Write a note on the following:
a) Inventory model
b) Decision tree
- Q2** Find the Standard Deviation and coefficient variation from the following table.

Marks	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100
Students	5	12	20	25	40	22	15	6	4	1

- Q3** Explain the meaning of statistical quality control.
- Q4** What is the importance of forecasting?
- Q5** Numerical integration is similar in spirit to the graphical method of finding area under the curve. Explain.