



SDDCA-101 - COMPUTER FUNDAMENTALS & PC SOFTWARE

Assignment -1 5 X 3 = 15

1. Explain about optical memories and High Speed Memories
2. Define Operating System? Explain in detail about multi programming and Network operation system
3. Discuss Dialog box option, with the help of a neat diagram
4. Discuss about simplex, Half Duplex and Full Duplex communication
5. What is E-mail? Explain some applications of Internet

Assignment -2 5 X 3 = 15

6. How to logging on to the network? And explain how to mapping Network Drivers
7. Explain about Microsoft Windows in detail
8. Briefly explain sharing folders and printers
9. Discuss the Network setup and Configuration
10. Explain about Boot and System Infectors

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SDDCA-102- C PROGRAMMING AND DATA STRUCTURES

Assignment -1 5 X 3 = 15

1. Define while () & Do-while () Loops. Write a program for multiplication table using Do-while loop
2. Define Data structure. Explain about the program analysis procedure
3. Differentiate Bubble sort and Insertion sort
4. Differentiate Binary and Sequential search, write a program for Binary search
5. Discuss about Priority Queues and briefly explain about operations of Queues

Assignment -2 5 X 3 = 15

6. Define an array? What are the advantages of using an array? Write a 'C' program to find
 - matrix addition
 - matrix subtraction
 - matrix multiplication
7. Explain Arithmetic operators in 'C' Language. Write a simple program to explain about operators using at least two operators
8. Explain different types of searching techniques. Write a program for sequential searching
9. Write a C program using for loop to reverse a given number or word
10. Explain about increment (post increment, pre increment, post decrement and pre decrement) operators with an example program for each

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SDDCA-103- INTRODUCTION TO DATABASE MANAGEMENT SYSTEMS

Assignment -1 5 X 3 = 15

1. Explain query processor
2. Explain :-
 - a) Advantages and dis-advantages of Relational approach
 - b) Difference between Relational and other models
3. Explain Codd-commandments in detail
4. Give SQL queries for aggregate operators and set operations with examples
5. Define Normalization, discuss 1NF, 2NF in detail

Assignment -2 5 X 3 = 15

6. Explain the three level architecture of DBMS
7. Explain Hierarchical model with suitable examples?
8. Write about predicates & subqueries
9. Explain about Relational algebra with examples?
10. Explain the DBMS Facilities in detail?

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SDDCA-104-INTRODUCTION TO COMPUTER ORGANIZATION

Assignment -1 5 X 3 = 15

1. What is an addressing mode? Explain in detail about the types of addressing modes
2. Write about the logic Gates with suitable examples?
3. Explain the RAM with Logic diagram of a RAM
4. Write about structure of memory mapped I/O?
5. Explain the concept of combinational circuits

Assignment -2 5 X 3 = 15

6. Write about the peripheral processor
7. What is Daisy chaining arbitration? Explain
8. Write about Direct Memory Access (DMA)
9. Explain assembly language fundamentals with examples
10. Explain Error Detection & correction codes?

NOTE:

- 1) Last date for submission of assignments for all the courses /paper is- 15.03.2018
- 2) Non-submission of assignments as per the scheduled dates mentioned above attracts a fine of Rs. 200/- upto 26.03.2018 per each assignment of a course / paper and under any circumstances the assignments will not be accepted from 27th March, 2018.
- 3) Assignments are to be written in the Book-lets provided by CDL and other formats are not accepted.
- 4) Answer all 10 questions, in a single book only

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