SHREE H. N. SHUKLA COLLEGE OF I.T & MGMT.
(Affiliated to Saurashtra University)

SUBJECT: PROGRAMMING IN C

Stream: B.C.A / B.Sc.I.T.-1   Total Marks :- 30

ASSIGNMENT – CHAPTER-1- JULY - 2024

Q-1 (A) Attempt the following: [5]

1) _____ means fix value of variable.
2) && is _____ operator.
3) What is the range of integer datatype?
4) _____ was the developer/founder of C language.
5) What is the difference between = and ==.

Q-1 (B) Attempt the following: [6]

1) Briefly Explain Type Casting.
2) Explain C character set.
3) Explain Keywords.

Q-1 (C) Attempt the following: [9]

1) Explain Structure of C Program.
2) What is Operator ? Explain Hierarchy of Operators.
3) Explain Pre-Processor in C.

Q-1 (D) Attempt the following: [10]

1) Explain Data types.
2) List out different Logic Development Techniques and Explain any one with Example.

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ASSIGNMENT – CHAPTER – 2 – AUGUST - 2024

Q-2(A) Attempt the following: [5]

1) _____ is known as exit control loop.
2) List out ternary operators available in c.
3) _____ is used to transfer control from one statement to another statement.
4) In Goto statement , the label is followed by _____ .
5) In switch case statement , if no any condition become true then finally the statement following _____ will be execute.

Q-2 (B) Attempt the following: [6]

1) Briefly Explain For loop.
2) Give difference between break and continue.
3) Explain Nested If with example.

Q-2 (C) Attempt the following: [9]

1) Explain switch … case with example.
2) Give difference between while and do…while.
3) What is Loop ? Explain Nested loop with example.

Q-2 (D) Attempt the following: [10]

1) Explain If statement with Example.
2) Write note on jumping statements.

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ASSIGNMENT – CHAPTER – 3 – SEPTEMBER - 2024

Q-3 (A) Attempt the following: [5]

1) UDF stands for_____.
2) _____function returns the largest integer value.
3) A static variable by default gets initialized to_____.
4) Write down use of toupper().
5) In strcmp() , if both strings are equal then it will returns_____.

Q-3 (B) Attempt the following: [6]

1) Explain any 2 Maths functions.
2) Give difference between Malloc() and Calloc().
3) Explain any 2 Date & Time functions.

Q-3 (C) Attempt the following: [9]

1) Explain any 3 string functions.
2) Explain Recursion with suitable Example.
3) Explain Call by Value and Call by Reference with Example.

Q-3 (D) Attempt the following: [10]

1) Explain different types of Storage Classes.
2) Write note on User Defined Functions.

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ASSIGNMENT – CHAPTER- 4 – OCTOBER-2024

Q-4 (A) Attempt the following: [5]

1) Array index starting from_____.
2) Array is a_____data structure.
3) Pointer is a _____ data type.
4) _____ operator is used to declare pointer to pointer.
5) In pointer to structure , members can be accessed by _____ operator.

Q-4 (B) Attempt the following: [6]

1) Briefly Explain 1 - D Array with Example.
2) Explain Pointer to Pointer by Example.
3) Explain String Array in brief.

Q-4 (C) Attempt the following: [9]

1) Explain Array and Matrices with Example.
2) Explain Pointer to Array by Example.
3) What is Pointer to Structure by Example.

Q-4 (D) Attempt the following: [10]

1) Explain Array with initialization and types.
2) Write note on Array within Structure and Array of Structure with Example.

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ASSIGNMENT – CHAPTER – 5 – OCTOBER - 2024

Q-5 (A) Attempt the following: [5]

1) Structure can be declare using_____keyword.
2) _____ function can be used to open particular file.
3) Ftell returns_____.
4) Argc means _____.
5) What is Data file ?

Q-5 (B) Attempt the following: [6]

1) Briefly Explain Union.
2) Explain Nested Structure by Example.
3) Give difference between Structure and Union.

Q-5 (C) Attempt the following: [9]

1) Explain Array with Structure by Example.
2) List out and Explain different Memory Allocation Functions.
3) Explain different I/O Operations.

Q-5 (D) Attempt the following: [10]

1) Explain Command Line Argument with Example.
2) Explain any 5 File Handling Functions with Example.