

[REF]

Whitefield International College

Town Planning, Nayabazar, Kathmandu

ASSIGNMENT

Class: XII
Subject: Computer

F.M-50
P.M.-20

Model Question Set-1

Group A (Long answer questions)

Attempt all questions: [2 x 10 = 20]

1. What is an array? Write a program to input any 10 numbers and display in ascending order. [2+8]
2. Define SDLC. Explain different phases of SDLC. [2+8]

Group B (Short answer questions)

Attempt all questions: [6 x 5 = 30]

3. What are data types? List out primary data types with examples. [5]
4. WAP that reads obtained percent and prints remarks under following condition: [5]
p>=90 A+ p>=80 A p>=70 B+p>=60 Bp>=50
C+
p>=40 Cp>=30D p<30 E
5. What is loop? Differentiate between while and do while loop. [2+3]
6. Define C language with its important features. [5]
7. Write a C program that takes total days and convert into years, months and remain days.[5]
8. Write a program to display the Fibonacci series 1 1 2 3 5,,..... to nthterms. [5]

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Model Question Set-2

Group A (Long answer questions)

Attempt all questions: [2 x 10 = 20]

- (a) Who is system analyst? Explain the roles and characteristics of system analyst. [1+4]
(b) What is prototyping? Write its advantages and disadvantages. [1+4]
- Define an Array function in C. Write a program in C to find out the maximum and minimum number among n^{th} different integers supplied by user. [2+8]

Group B (Short answer questions)

Attempt all questions: [6 x 5 = 30]

- WAP that takes any 3 integers and print the smallest number. [5]
- WAP to calculate simple interest of user defined values. [5]
- What is operator? Explain logical and relational operators with examples. [5]
- Write a C program to find out factorial of user defined number. [1+4]
- List out the advantages and disadvantages of C language.
- Write a program to check whether the given number is palindrome or not.

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Model Question Set-3

Group A (Long answer questions)

Attempt all questions: [2 x 10 = 20]

- (a) What do you mean by feasibility study? Explain the different levels of feasibility study. [1+4]
(b) Compare the Waterfall and Prototyping model of software development.
- What is the control structure in C? Describe if – else if – else statement with syntax and example. [2+8]

Group B (Short answer questions)

Attempt all questions: [6 x 5 = 30]

- Define SDLC with diagram.
- What do you mean by tokens in C language? List out some examples
- What are identifiers? Write the rules for naming the Identifiers.
- Write a C program to calculate the simple interest.
- Write a program to check whether the input number is prime or composite.
- Write C programs to print the following patterns:

```
1 2 3 4 5
2 3 4 5
3 4 5
4 5
5
```

```
5
4 4
3 3 3
2 2 2 2
1 1 1 1 1
```

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Model Question Set-4

Group A (Long answer questions)

Attempt all questions: [2 x 10 = 20]

- (a) Write a program that reads the value of any number and find factorial number . [4]
(b) Write a program to ask user to input an integer and text whether it is positive, negative or zero value. [5]
- (a) What is information system? Explain the types of information systems. [5]
(b) What is system? Explain the components of system in brief. [5]

Group B (Short answer questions)

Attempt all questions: [6 x 5 = 30]

- Explain the different level of feasibility study.
- Define: constant and variables.
- Write about data types with examples.
- Write a program to print the multiplication table of user defined number.
- Write a program that takes binary number and convert into equivalent decimal number.
- Write a program to check whether the given number is palindrome or not.

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Model Question Set-5

Group A (Long answer questions)

Attempt all questions: [2 x 10 = 20]

1. Write a program in C to read the value of name of any ten different students, sort the name into alphabetical order. [10]
2. (a) What is loop? Differentiate between while and do while loop. [2+3]
(b) WAP to display all odd numbers up to n and their sum. [5]

Group B (Short answer questions)

Attempt all questions: [6 x 5 = 30]

3. Define SDLC with diagram.
4. What do you mean by feasibility study? Why is it necessary before designing a system?
5. List out the advantages and disadvantages of C language.
6. Write about data types with examples.
7. Write a program that takes any 3 numbers and prints the middle number.
8. Write C programs to print the following patterns:

5
5 4
5 4 3
5 4 3 2
5 4 3 2 1

1 1 1 1 1
2 2 2 2
3 3 3
4 4
5