

Tilottama Secondary School
Assignment -2077

Class: 12
Time: 3Hrs

F.M.: 75
P.M.: 27

Subject: Computer Science

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

Group “A”

(Long Answer Questions)

Attempt any four questions: 4×10=40

1. a) What is looping? Write a program to display the multiplication table of a given number.
b) Differentiate between while loop and do-while loop with suitable example.
2. Write a program to input the salary of ‘n’ number employees using array and count the number employees who are getting salary between 40000 to 50000.
3. a) Write a program to display the factorial of a given number using user defined function.
b) Write a program to display the following series: 1, 1, 2, 3, 5, 8, 10th terms.
4. Write a program to input the names of ‘n’ numbers of students and sort them in alphabetical order using structure variables.
5. a) Describe fscanf() and fprintf() functions.
b) Write a program to enter ‘Rollno’, ‘Name’ and ‘Marks in a subject’ of 20 different students and store them in a data file named “std.dat”.

Group “B”

(Short Answer Questions)

Attempt any seven questions: 7×5=35

6. What is feasibility study? Explain different levels of feasibility study.
7. What is hierarchical database model? List the advantages and disadvantages of hierarchical database model.
8. Explain the client-server and peer to peer network with their advantages and disadvantages.
9. Define the term multimedia. Explain different components used in multimedia.

Or

What are the key challenges of implementing e-government in developing countries?

10. What is LAN topology? Describe any two network topologies with clear diagram.
11. What do you understand by AI? Describe the application areas of AI.
12. Explain the three different string handling functions with their syntax.
13. Why polymorphism and inheritance are important concepts of OOP? Explain.
14. Describe the centralized and distributed database systems.
15. Write short notes on: (Any two)
 - a. Digital Divide
 - b. ERD
 - c. Cyber Law

The End