

Sub Code:230

HISSAN KASKI- Grade XII

Pre-Board Examination 2071

Computer Science

Programme : Management

F.M.: -75

Time : 3 hours

P.M.: -27

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

Shift : Day

Group 'A'

(Long Answer Questions)

Attempt any four questions

[4x10=40]

1. What is Data Security? Explain different Levels of data Security. **[2+8]**
2. Write a C program to read name, address and age of 100 students and count the number of students whose age is from 16 to 25 years. **[10]**
3. Write a C program using structure variable to read name , marks and roll number of 20 students from the keyboard . Arrange the data according to marks in descending order and display in an appropriate format. **[10]**
4. Write a C program that reads different name, address, phone number and salaries of employees from a data file "employee.dat" and displays the records of only those employees whose salary is more than 25000 in an appropriate format. **[10]**
5. Differentiate between user defined function and library function. Write a function program to input a number and find the sum of all the numbers from 1 to the inputted number.[Hint:- if the user inputs 5 then result should be 1+2+3+4+5=15] **[10]**

Group 'B' (Short Answer Questions)

Attempt any seven questions

[7x5=35]

6. What is system development life cycle? Explain any two stages of system development life cycle. **[1+4]**
7. Who is system analyst? Explain the major roles of system analyst. **[1+4]**
8. Differentiate between Client/Server and peer to peer network architecture. **[2.5+2.5]**
9. Write short on Virtual reality and Inheritance. **[2+3]**
10. What do you mean by Artificial Intelligence? What are the main objectives of IT policy in Nepal? **[2+3]**
11. List any two differences between wired and wireless transmission media. Mention any three unique features of optical fiber cable. **[2+3]**
12. Explain any two application areas of multimedia. Write short notes on e-learning **[3+2]**
13. Write a program to input an integer number and checks whether it is prime or not. **[5]**
14. What is local area network ? Explain the different types of topologies with diagrams. **[5]**
