

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 : Morning

Group 'A'

(Long Answer Questions)

Attempt any four questions

[4x10=40]

1. What is Normalization? Explain different forms of Normalization with example. [2+8]
2. Write a program that reads name, post and salaries of 300 employees and count the number of employees getting salaries in between 10,000 to 20,000. [10]
3. Write a C program that reads different names and addresses into the computer and sorts the names into alphabetical order. Make use of structure variables. [10]
4. Write a program that reads name class rollno and marks of some students from the data file "school.dat", now display the records of only Grade 12 in an appropriate format. [10]
5. Differentiate between structure and union with example. What is recursion? Write a recursive function to calculate the factorial of a given number. [5+2+3]

Group 'B' (Short Answer Questions)

Attempt any seven questions

[7x5=35]

6. What do you mean by feasibility study? Why is it necessary before designing a system? [3+2]
7. Write short note on waterfall model and spiral model. [2.5+2.5]
8. Write the advantages and disadvantages of computer network. [2.5+2.5]
9. Write short note on e-business and polymorphism [2+3]
10. What do you mean by computer ethics? Explain the different issues related to computer ethics. Explain the components of artificial intelligence. [1+2+2]
11. What is LAN Topology? Describe Star Topology with its advantages and disadvantages. [1+2+2]
12. Define Multimedia with its components. Write short notes on Robotics. [3+2]
13. Write a program to display the name of the day on the basis of entered number 1 to 7 . for example 1 for sunday. [5]
14. What is metropolitan area network ? differentiate between Internet and Intranet. [1+4]