



The Times Secondary School

Dillibazar, Kathmandu

First Terminal Examination – 2076

Grade: - XII

Set – A

Full Marks: 75

Stream: Management (Day Shift)

Pass Marks: 30

Subject: - Computer Science

Time : 3 hrs

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

Group: A

Answer the following questions. (Any Four)

[10× 4=40]

1. What is control structure? WAP which selects and prints Greatest among any four numbers with flow chart. 2+8
2. What is looping? Describe “for”, “while”, and “do while” loops with appropriate example. 1+9
3. What are data types? Explain. WAP to Display the entered number is odd or even number. 5+5
4. (a) Differentiate between Break and Continue statement. 5
(b) WAP to display your college name 100 times using do-while loop. 5
5. WAP to input the age of 50 students and count the number of students having age in between 20 to 25.

Group: B

(Short Answer Question)

Attempt any seven questions:

[7× 5=35]

6. What is information system? Explain types of information system. 1+4
7. What is SDLC? Explain system development phase / stages with block diagram. 1+4
8. Who is system analyst? Describe the characteristics of system analyst. 1+4
9. What is prototyping model? Write down its advantage and disadvantage. 1+4
10. What is feasibility study? Why feasibility study is important in system analysis phase? Explain. 1+4
11. What is database? List out the advantages/disadvantages of Database Management system. 1+4
12. What is normalization? Explain 1NF and 2NF with example. 2+3
13. What is ER Diagram? List out the symbol with example. 1+4
14. Explain network database model with example.
15. Write Short Notes [2.5×2=5]

- a) Variable b) Constant c) Algorithm

THE END



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Group: A

Answer the following questions. (Any Four)

[10× 4=40]

1. a) What is operator? Explain the different types of operators. 1+4
b) WAP to display the name of the day in a week depending on the number Entered through the keyboard using the switch case statement. 5
2. a) WAP to display factorial of n number. 5
b) WAP to display sum of even number up to nth term. 5
3. What is looping? Describe “for”, “while”, and “do while” loops with Appropriate example. 1+9
4. (a) WAP to display multiplication table of given number. 5
(b) WAP to display Fibonacci series upto 10th term. 5
5. WAP which reads salary of 45 employees and count the number of Employees who getting salary between the range 30000 to 40000.

Group: B

(Short Answer Question)

Attempt any seven questions:

[7× 5=35]

6. Who is system analyst? Explain the major roles of system analyst. 1+4
7. What is SDLC? Write down the importance and necessity of SDLC. 1+4
8. What is waterfall model? Write down its advantage and disadvantage. 1+4
9. What is feasibility study? Explain different levels of feasibility study. 1+4
10. What is DBMS? List out the advantage/disadvantages of DBMS. 1+4
11. Explain Relational database models with example.
12. Who is DBA? Explain the major roles/attributes of DBA. 1+4
13. What is documentation? Explain the importance of documentation in program design. 1+4
14. Differentiate between centralized and distributed database system.
15. Write Short Notes [2.5×2=5]

- a) Decision Table b) Pseudo Code c) Normalization

THE END