



The Times Secondary School

Dillibazar, Kathmandu

First Terminal Examination – 2076

Grade: - XI

Set A

Full Marks:-75

Stream: Science

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 Three)

[10× 3=30]

1. Draw block diagram and explain the main components of a computer system.
2. What are the application areas of computer? Explain any ten of them.
3. Describe the main feature of all generation of computer.
4. Explain briefly about classification of computer on the basis of working principle.

Group B

Short Answer Questions

Attempt any nine Questions.

[9×5=45]

5. Differentiate between Primary and Secondary memory.
6. What is a hexadecimal number system? Convert $(AB00C1)_{16}$ into octal number. 1+4
7. Discuss the characteristics of computer.
8. Differentiate between SRAM and DRAM
9. What is mobile computing? Explain the advantages and Disadvantages of mobile computing. 1+4
10. Differentiate Between IBM PC and IBM Compatible Computer.
11. What is word processor? Write the features of word processor. 1+4
12. Subtract 0001110 from 1110011 using 1's and 2's complement method.
13. What is binary number system? Convert $(578.750)_{10} = (?)_{16}$ 1+4
14. Explain the term Hardware, Software and Firmware.
15. Write short Notes(any two) [2.5×2=5]
 - a) Laptop
 - b)Magnetic tape
 - c) Hard disk

The End



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Group: A

Answer the following questions. (Any Three)

[10× 3=30]

1. With Logical Structure Diagram explain the main components of a computer system.
2. What is a computer? Explain any ten application areas of computer system.
3. Describe the Generation of Computer with technology used them.
4. Explain briefly about classification of computer on the basis of size.

Group: B

(Short Answer Question)

Attempt any nine questions:

[5× 9=45]

5. Differentiate between Analog and Digital computers.
6. What is octal number system? Convert $(546)_8$ into base 16.
7. Discuss the characteristics of computer.
8. What is mobile computing? List out the Features of Mobile Computing. 1+4
9. What is word processor? Write the features of word processor. 1+4
10. Differentiate between RAM and ROM Memory.
11. Subtract 10001 from 100 using 1's and 2's complement methods.
12. What is Bus Architecture? Explain the Different types of computer buses. 1+4
13. What is backup memory? Explain any three secondary memory. 1+4
14. What is decimal number system? Convert $(789.6875)_{10} = (?)_8$ 1+4
15. Write short Notes(any two) [2.5×2=5]
 - a) Palmtop
 - b)Notebook
 - c)Software

The End