



The Times Secondary School

Dillibazar, Kathmandu

First Terminal Examination – 2076

Grade: - XI

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 three)

[10× 3=30]

- Describe any five logic gate with logical Expression, gate symbol, truth table and Venn diagram.
- Explain briefly about classification of computer on the basis of working principle.
- Explain the usages of computer in different areas of real time application.
- Describe the Generation of Computer with technology used them.

Group: B

(Short Answer Question)

Attempt any nine questions:

[5× 9=45]

- What is mobile computing? Explain the advantages and Disadvantages of mobile computing. [1+4]
- What is Hexadecimal Number system?. Convert $(BABA)_{16} = (?)_8$.
- Why computer is known as versatile and diligence device? Explain.
- What is word processor? Write the features of word processor. [1+4]
- Explain the term Hardware, Software and Firmware.
- Subtract 101011 from 1001 using 1's and 2's complement method.
- List out the Features of super computer and mainframe computer.
- Differentiate Between IBM PC and IBM Compatible Computer.
- State and prove De-Morgan's theorem.
- What is Duality Principle? Find the dual of an following Expression.
 $XY'Z+A'B'C+0$. [2+3]
- Write short Notes(any two) [2.5×2=5]
 - AI
 - Abacus
 - Notebook

THE END *



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Group : A

Answer the following questions. (Any three)

[10× 3=30]

- What is Logical gates? Describe AND, NAND, NOR and X-OR logical gate with logical Expression, gate symbol, truth table and Venn diagram.
- Explain briefly about classification of computer on the basis of size.
- Explain the different Characteristics of computer system.
- Explain the Types of Generation of Computer with technology used them.

Group: B

(Short Answer Question)

Attempt any nine questions:

[5× 9=45]

- What is mobile computing? List out the Features of Mobile Computing. [1+4]
- What is Octal Number system? Convert $(567)_8 = (?)_{16}$. [1+4]
- Why Charles Babbage was regarded as father of computer system.
- What is Microsoft word processor? List out the features of word processor. [1+4]
- Explain the application areas of computer science in modern days.
- Subtract 1011 from 10001 using 1's and 2's complement method.
- Differentiate Between IBM PC and Apple/Macintosh Computer.
- Differentiate Between Analog and Digital Computer.
- State and prove De-Morgan's theorem.
- Define the terms Operand, Operator and Operations with example.
- Write short Notes (any two) [2.5×2=5]
 - Desktop Computer
 - Hybrid Computer
 - Laptop

THE END *