

FIRST QUARTERLY TEST AUGUST 2026

CLASS : I PUC

SUBJECT : COMPUTER SCIENCE (41)

Time : 1 Hr. 30 mins.

Max. Marks : 35

PART-A

I Answer the following questions. Each question carries ONE mark: 10x1=10

- 1) Which device was invented by Charles Babbage?
a) Pascaline b) Analytical Engine c) Turing Machine d) ENIAC
- 2) Which one of the following is an input device?
a) Keyboard b) Mouse c) Scanner d) All of these
- 3) What is a group of 8 bits called ?
a) Nibble b) bit c) byte d) word
- 4) Which of the following is a volatile memory ?
a) RAM b) ROM c) HDD d) Cache Memory
- 5) The process of removing errors or bugs from a program is called
a) Testing b) debugging c) Checking d) Verification
- 6) The step-by-step procedure designed to solve a given problem is
a) Flowchart b) Pseudocode c) Algorithm d) Program
- 7) The ordered set of instructions written in a high level programming language is called
a) Machine code b) Interpreter c) Source code d) Compiler

II Fill in the blanks by choosing appropriate word from those given in brackets: 1x3=3 (compiler, keywords, identifiers, interpreter)

- 8) _____ is the language translator used by Python.
- 9) _____ are the reserved words which give specific meaning to the interpreter.
- 10) _____ are the names given to the various programming elements such as variables and functions.

PART-B

III Answer any THREE questions. Each question carries TWO marks: 3x2=6

- 11) What is a clock speed ? Name the unit used to measure it.
- 12) What is a micro controller ? Write its use.
- 13) Mention any two characteristics of Algorithm.
- 14) Write any two flowchart symbols.
- 15) Mention any two features of Python.

PART-C

IV Answer any THREE questions. Each question carries THREE marks: 3x3=9

- 16) What is a Software ? Mention the types of software.
- 17) Explain any three specifications of Microprocessors.
- 18) What is an operating system ? Write any two functions of operating system.
- 19) Write an algorithm to check whether a given number is even or odd.
- 20) Draw a flowchart to find sum and average of four numbers.

PART-D

V Answer any TWO questions. Each question carries FIVE marks: 2x5=10

- 21) Explain the functional units of a computer with a neat block diagram.
- 22) Differentiate between primary memory and secondary memory.
- 23) Define a) Device drivers b) Bus c) Compiler, d) Assembler e) Freeware
- 24) Explain the various steps involved in problem solving.
- 25) What is repetition ? Explain while construct with an example.
