



Standard 12

Time: 1.30 Hrs.

COMPUTER SCIENCE

Marks: 35

I. Choose the correct answer:

10×1=10

- 1) Which of the following is a distinct syntactic block?
a) Subroutines b) Function c) Definition d) Modules
- 2) The data type whose representation is known are called
a) Built-in data type b) Derived data type
c) Concrete data type d) Abstract data type
- 3) Which scope refers to variables defined in current function?
a) Local scope b) Global scope c) Module scope d) Function scope
- 4) Two main measures for the efficiency of an algorithm are
a) Processor and Memory b) Complexity and Capacity
c) Time and Space d) Data and Space
- 5) Which of the following character is used to give comments in Python Program?
a) # b) \$ c) @ d) &
- 6) Which of the following is not Logical operator?
a) and b) not c) like d) or
- 7) How many important control structures are there in Python?
a) 3 b) 4 c) 5 d) 6
- 8) What plays a vital role in Python programming?
a) Statements b) Control c) Structure d) Indentation
- 9) Which of the following keyword is used to begin the function block?
a) define b) for c) def d) definition
- 10) While defining a function which of the following symbol is used?
a) semicolon (;) b) comma (,) c) colon (:) d) dot (.)

II. Answer ANY THREE Questions. Q.No. 15 is compulsory:

3×2=6

- 11) What is Abstract Data type?
- 12) What is Mapping?
- 13) Write short notes on Tokens.
- 14) What is meant by scope of variable? Mention its types.
- 15) Write note on range () in loop.

III. Answer ANY THREE Questions. Q.No. 22 is compulsory:

3×3=9

- 16) Mention the characteristics of Interface.
- 17) Differentiate Concrete data type and Abstract data type.
- 18) Write short notes on Escape sequences with examples.
- 19) Write the rules of local variable.
- 20) What will be the output of the following code?

```
for i in range(2, 10, 2);
    print(i, end= '')
```

IV. Answer all the questions in detail:

2×5=10

- 21) a) Write any five characteristics of Modules.

(OR)

b) What is Binary search? Discuss with example.

- 22) a) Explain input() and print() functions with examples.

(OR)

b) Explain the different types of function with an example.