



Roll No.

XII - 2016

Candidates must write the Code on the title page of the answer-book.

- Please check that this question paper contains 24 printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains 7 questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

## COMPUTER SCIENCE

Time allowed : 3 hours

Maximum Marks : 70

### General Instructions :

- (i) Programming Language in SECTION A : C++.
- (ii) Programming Language in SECTION B : Python.
- (iii) Answer either SECTION A or B, and SECTION C is compulsory.
- (iv) It is compulsory to mention on the page 1 in answer book whether you are attempting SECTION A or SECTION B.
- (v) All questions are **compulsory** within each section.

## SECTION - A

[Only for candidates, who opted for C++]

1. (a) Out of the following, find those identifiers, which cannot be used for naming Variables, Constants or Functions in a C++ program : 2

Total\*Tax, double, Case, My Name,  
NeW, switch, Column31, \_Amount

- (b) Ronica Jose has started learning C++ and has typed the following program. When she compiled the following code written by her, she discovered that she needs to include some header files to successfully compile and execute it. Write the names of those header files, which are required to be included in the code. 1

```
void main()
{
    double X,Times,Result;
    cin>>X>>Times;
    Result=pow(X,Times);
    cout<<Result<<endl;
}
```

- (c) Rewrite the following C++ code after removing any/all syntactical errors with each correction underlined. 2

Note : Assume all required header files are already being included in the program.

```
#define Formula(a,b) = 2*a+b
void main()
{
    float X=3.2;Y=4.1;
    Z=Formula(X,Y);
    cout<<`Result=' <<Z<<endl;
}
```

