

2018

CBCS

1st Semester

COMPUTER SCIENCE

PAPER—DSC-1AT

(General)

Full Marks : 40

Time : 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Problem Solving Using Computers

Section—I

Answer any *five* questions.

5×2

1. What do you understand by real & virtual memory ?
2. What do you mean by the term 'Debugging'?
3. Mention the basic types of errors that you may encounter in programming.
4. Mention some of the features of Python.
5. Is Python a case sensitive language ?

(Turn Over)

6. What is the output of `print str + "TEST"` where `str = "Hello World!"` ?
7. What are the advantages of the Python dictionary type ?
8. What is the use of `raise` statement ? Mention its Syntax.

Section—II

Answer any *four* questions.

4×5

9. What are the essential components of a computer ? Discuss the function of each component.
10. How is multithreading achieved in Python ?
11. Explain what "Flark" is and its benefites.
12. Explain Random Module and its function in Python.
13. How inheritance is performed in Python ? Give example.
14. What are negative indexes and why are they used ?

Section—III

Answer any *one* question.

1×10

15. Explain with an example exceptions with arguments in Python.
 16. Explain with an example while loop, break statement and continue statement in Python.
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