Time : Three hours   Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer any TEN questions.

1.   What is Computer Science?

2.   What is an Operating System?

3.   What is IDE?

4.   What is Selection Control Statement?

5.   What is While Statement?

6.   What is List traversal?

7.   What is a Keyword argument?

8.   What is a Local Variable?

9.   What is an Object?

10. What is doc string?

11. Write the syntax for declaring dictionaries in Python.

12. What is a class?

I BCA → Problem Solving Using Python

SECTION B — (5 × 5 = 25 marks)

Answer any FIVE questions.

13. Explain the limits of Computational Problem Solving.

14. Explain the literals in python with examples.

15. Explain the relational operators in python with examples.

16. Explain the operations commonly performed on lists.

17. Explain the concept of program routine.

18. Explain the use of modules and name spaces in Python.

19. Write a brief note on Recursive Function.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

20. Explain the process of Computational Problem Solving.

21. Explain the two means of constructing multi-way selection in Python with examples.

22. Explain the calling value returning functions with an example.

23. Describe the process of reading and writing file.

24. Explain the effective use of encapsulation and inheritance in Python.

_____