2024-25

UNIVERSITY OF NORTH BENGAL
SEC 1st Semester Examination, 2024

SEC - POOASEC105-COMPUTER SCIENCE

BASIC PROGRAMMING IN PYTHON

Time Allotted: 2 Hours

Full Marks: 40

The figures in the margin indicate full marks.

GROUP-A

Answer any *five* questions

$1 \times 5 = 5$

1. What is the extension of Python source file?
2. Write a code in Python to print "Hello, World!"
3. What is the error given in the following code?
   if 5 > 2 :
   print ("Five is greater than two!")
4. What is a variable?
5. What is an assignment operator?
6. How do you create a comment in Python?
7. What is casting?
8. Define Python interpreter.

GROUP-B

Answer any *three* questions

$5 \times 3 = 15$

9. Discuss at least five data types in Python.
10. Discuss looping in Python.
11. Discuss exception handling in Python.
12. Write a program in Python to check if a number is odd or even.
13. Write a program in Python to sum first five natural numbers.

GROUP-C

Answer any *two* questions

$10 \times 2 = 20$

14. Write a program in Python to create a menu driven program. Use user defined functions to perform calculations to find area of rectangle, square, circle and triangle based on user inputs.
15. Discuss different types of operators used in Python.
16. Write a program in Python to generate Fibonacci series.
17. Explain different types of control structures used in Python.

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