

**QP CODE**  
**H1111**

**Enrollment Number:** .....  
**Name:** .....

**FOUR YEAR UNDER GRADUATE DEGREE EXAMINATIONS, MARCH 2026**

**Third Semester**

**SGB24CA202SE – Python for All**  
**(2024 July admissions)**

**Common for B.A (Honours) English/ Malayalam/History/Sociology/  
B.B.A (Honours)/B.Com (Honours)**

**Time: 2 Hours**

**Max. Marks: 45**

**Section A**

**Answer any five of the following questions in a word or sentence each. Each question carries 1 mark.**

1. Define flowchart.
2. Write the algorithm to find the average of 3 numbers.
3. Explain variables in Python.
4. Write the output of the following program.  

```
Student_List=[ "John", "KKG", "Jane"]  
Student_List[0]
```
5. Name any two python libraries.
6. What are the different primitive datatypes?
7. Give the Key Characteristics of Tuples.
8. What is the purpose of the try block?

**(1X5=5)**

**Section B**

**Answer any five of the following questions in two or three sentences each. Each question carries 2 marks.**

9. Explain the differences between high-level languages and low-level languages.
10. Give any two logical operators and explain it with an example.
11. What is a class in Python?

12. Define functions. What are the different types of functions?
13. Discuss about inheritance in Python.
14. Explain any three different file open modes.
15. What is the difference between read() and readline()?
16. What is the purpose of the button\_clear() function in the provided Tkinter program?

**(2X5=10)**

### **Section C**

**Answer any four of the following questions in one page each. Each question carries 5 marks.**

17. Distinguish between top down and bottom-up approach and give its advantages.
18. Write the algorithm and draw the flow chart to find the factorial of a number.
19. Describe the SELECT and INSERT queries. How do you integrate this query in Python?
20. Distinguish between list and tuples in python.
21. Explain the purpose of seek() and tell() functions with suitable examples.
22. Explain different types of file modes in Python with examples.

**(5X4=20)**

### **Section D**

**Answer any one of the following questions in three pages each. Each question carries 10 marks.**

23. Explain how exceptions are handled in python.
24. Explain about different string manipulation methods in python.

**(10X1=10)**