

FIRST QUARTERLY TEST AUGUST 2026

CLASS : II PUC SUBJECT : COMPUTER SCIENCE (41)

Time : 1 Hr. 30 mins.

Max. Marks : 35

PART-A

I Answer the following questions. Each question carries ONE mark. 10x1=10

1. Syntax error is also known as
a) Logical error b) Runtime error c) Parsing error d) Semantic error
2. Where are exceptions caught in Python?
a) In the try block b) In the except block
c) In the finally block d) In the raise block
3. What is the default mode of operation when a file is opened in Python?
a) Write mode (w) b) Read mode (r) c) Append mode (a) d) binary mode (b)
4. What is the exception called when trying to remove an element from an empty stack?
a) underflow b) overflow c) empty stack error d) stack size error
5. What is another name for prefix notation?
a) Infix notation b) Postfix notation
c) Polish notation d) Reverse polish notation
6. Assertion (A) : Stack follows LIFO rule.
Reason (R) : Insertion and deletion takes place at same end.
a) A is true and R is correct reason b) A is true and R is not correct reason
d) A is false and R is correct reason d) A is false and R is not correct reason
7. Number of passes required to sort a list of elements of size 10 using bubble sort
a) 10 b) 100 c) 9 d) 11

**II Fill in the blanks choosing the appropriate word given in brackets.
(push, peek, rear, Deque)**

8. _____ operation adds an element at the top end of the stack.
9. The operation which is used to read but not to delete an element from the front end and queue is _____.
10. _____ type of queue allows both insertion and deletion of data elements at both the ends.

PART-B

III Answer any THREE questions. Each question carries TWO marks. 3x2=6

11. What is the use of raise Statement ? Give its syntax.
12. Explain the write () method in Python.
13. Compare between tell () and seek () method.
14. Mention any two applications of stack in programming.
15. Define queue data structure. Mention the principle it follows.

PART-C

IV Answer any THREE questions. Each question carries THREE marks. 3x3=9

16. Explain any three built-in exceptions in Python.
17. Write a note on binary file.
18. Write the syntax of the following methods :
a) Open () b) Load () c) dump ()
19. Write the Python code to implement pop operation from stack.
20. Mention any three applications of queue in real life.

PART-D

V Answer any TWO questions. Each question carries FIVE marks. 2x5=10

21. Explain the try-except-else clause in Python with an example.
22. Convert a given infix expression $A*(B + C)/D$ into equivalent postfix expression using stack.
23. Explain the operations performed on Queue
24. Write an algorithm for insertion sort.
