

## CHAPTER 7

### INTRODUCTION TO C++

#### One mark questions:

1. Who developed C++? (K)
2. Mention any one characteristic of C++. (K)
3. Mention any token of C++.
4. Can Keywords be used to name an identifier?
5. Define a token in C++? (K)
6. Define an identifier? (K)
7. Define variables. (K)
8. What is a keyword? (U)
9. Mention any keyword. (A)
10. Define a constant? (K)
11. What is an integer constant? (K)
12. What is an octal constant? (K)
13. What is a hexadecimal constant? (K)
14. Give an example for integer constant. (S)
15. Give an example for octal constant. (S)
16. Give an example for hexadecimal constant. (S)
17. Give an example for float constant. (S)
18. Give an example for character constant. (S)
19. Give an example for string constant. (S)
20. How do you define a string constant? (U)
21. Define Escape sequences. (K)
22. Mention any one escape sequences. (A)
23. What are punctuators? (U)
24. Mention any one punctuator. (A)
25. What is an operator? (K)
26. What are unary operator? (A)
27. Mention any one unary operator. (A)
28. What is a binary operator? (U)
29. Mention any one binary operator. (A)
30. What is a ternary operator? (U)
31. If  $\text{int } x=10$ , then find the value of  $y=++x-x++$ . (A)
32. Which operator gives the remainder? (U)
33. What is an expression? (U)
34. Convert the expression  $a^2+b^2+b^2=c^2$  into equivalent C++ expression. (S)
35. What is the purpose of `sizeof()` operator?(U)
36. Give an example for `sizeof()` operator.
37. Which is the pointer operator? (K)
38. What is a library function? (K)
39. What is operator precedence? (U)
40. Convert the expression  $\sqrt{a^2+b^2}$  into equivalent C++ expression. (S)
41. Convert the expression  $A = \pi r^2$  into equivalent C++ expression. (S)
42. What is type casting? (K)

**Two marks questions.**

1. Mention any two characteristics of C++. (K)
2. Mention any two tokens of C++. (K)
3. Mention any two rules for naming an identifier. (K)
4. Mention the types of constants of C++. (K)
5. Explain integer constant with suitable example. (A)
6. Explain octal constant with suitable example. (A)
7. Explain hexadecimal constant with suitable example. (A)
8. Explain float constant with suitable example. (A)
9. Explain character constant with suitable example. (A)
10. What are escape sequences? Give example. (U)
11. Explain string constant with suitable example. (U)
12. Explain unary operators with suitable example. (K)
13. Explain arithmetic operators with suitable example. (K)
14. Explain logical operators with suitable examples. (K)
15. Give one difference between i++ and ++i (A)
16. State the difference between / and % (A)
17. Explain type conversion. (K)
18. Explain any two math.h function. (A)
19. Explain any two ctype.h function. (A)
20. Explain any two string.h function. (A)
21. Mention any two functions of stdio.h. (A)
22. Mention any two functions of stdlib.h. (A)

**Three marks questions.**

1. List the character set of C++. (A)
2. Mention any three keywords. (U)
3. Name any three punctuators. (U)
4. Explain the usage of ternary operator with an example. (K)
5. Write a note on Logical operators. (K)
6. What are short hand operators? (K)
7. Mention any three functions of stdio.h (U)
8. Mention any three functions of ctype.h (U)
9. What is type casting? Explain. (U)
10. What is the purpose of randomize(), random(n). (U)
11. Explain the difference between getch() and getche(). (S)
12. State any three rules for naming an identifier. (K)
13. Explain unary operators with examples. (K)
14. Explain escape sequences with example. (K)
15. Explain mathematical and character library functions. (K)
16. How are comments inserted in C++? (K)

**Five marks questions.**

1. What are the characteristics of C++ program? (K)
2. Explain briefly the different types of tokens. (U)
3. Write a note on different kinds of Constants. (U)
4. Summarize the rules for naming an identifier. (U)
5. Write a note on Unary operators with examples (U)
6. Explain Arithmetic operators. (U)
7. Explain Relational operators. (U)
8. What is an expression? Explain precedence of operators with suitable examples. (U)
9. Write the structure of a C++ program. (K)
10. Explain implicit and explicit type conversions with examples. (K)
11. Write the purpose of any five character functions. (K)
12. Write the purpose of any five String functions. (K)