

Question bank for IAE – II

Section - A

1. Define the rules for declaring a variable in C programming language.
2. How will you declare a variable in C? Give syntax and an example
3. What are the various datatypes available in C?
4. What are the three categories of datatypes available in C? Give one example for each.
5. Give the size and range of an int datatype.
6. Give general form and an example of user-defined datatype typedef.
7. What is enumerated datatype in C?
8. List the types of operators available in C?
9. What is a ternary operator? Give example.
10. What is an expression? Give an example.
11. List the types of expressions available in C?
12. What do you mean by operator precedence and associativity?
13. How is an expression evaluated in C?
14. How can you implement explicit type conversion in C?
15. What is typecasting in C?
16. What is a stream?
17. List the types of streams used in C to manage input and output operations.
18. List the various formatted I/O functions available in C.
19. List four unformatted I/O functions in C to perform string operations.
20. Give the syntax and example of a simple scanf() function in C.
21. Give the syntax and example of a simple printf() function in C.
22. What is the control string used for inputting the following values?
23. int, char, double, string.
24. Give an example for a formatted input statement for integer value input.
25. Give an example for a formatted output statement for a float value output.
26. With example state the functions used for a character I/O operations?
27. State the various types of if statements.
28. State the syntax and example of a while loop.
29. State the syntax and example of a do...while loop.
30. State the syntax and example of a for loop in C.
31. What is a while and do...while loop also called?
32. Give the general format and example of a for loop in C?
33. State the difference between while and do...while loop in C?
34. State the difference between an if and switch...case in C?
35. What are the types of unconditional branching/looping statements available in C? List them.
36. What is the difference between a continue and break statements.
37. What is an array?
38. Give the general format and example for a one dimensional and two dimensional array in C?
39. How will you initialize values to an array during declaration?
40. How will you initialize all values of an array to zero?
41. What is a string? Give an example of string declaration in C?
42. How will you initialize value to a string variable?
43. List and give the meaning of any four string functions in C.
44. What is the difference between sorting and searching operations?
45. What are the various types of sorting techniques available?

46. What are the various types of search techniques available?