

10th Computer Science Guess Paper 2025

These guess papers are prepared according to the new paper pattern 2025 issued by the board and based on SLOs.

Your exam paper will be divided as follows:

- **25% Conceptual**
- **75% Knowledge-Based**
- **25% Analytical + Application-Based**

S.No	Most Important Short Questions (Chapter # 1)
1	Write down output of the following code segment assume header files and variables already declared. Void main() { printf ("Name; "Ali/n Fname: Raza"); }
2	Identify the error in the given code: void fun (int x, { x = 20; y-1; }
3	Define a variable.
4	Define character constant.
5	What is meant by data type?
6	Why do we need a programming environment?
7	Write down any four keywords.
8	Why we need programming environment?
9	Why do we use comments in programming?
10	Define escape sequence.
11	Define char data type.
12	What is difference between Char and Int?
13	Write down the rules for naming variables.
14	Write any two Reserve Words in C-Language.
15	What are header files?
16	What is meant by IDE?
17	What is variable declaration?
18	Define getch() function.
19	Define text editor.
20	Define Header Section.
21	What is the use of compiler?
22	What is meant by body of main() function?
23	What is meant by variable initialization?
24	What is the purpose of single line comments?
25	How a header file is included in a program?
26	Define key words.
27	Define integer.
28	What is the difference between variables and constants?
29	How can we declare an array of type int?
30	Differentiate between Variable and Constant.

S.No	Most Important Short Questions (Chapter # 2)
1	What is the output of following code? <code>int a = 4 if (a% * 2 ==0) printf("Even"); printf("OK");</code>
2	Which operators are used for arithmetic operation?
3	Find errors in following code: <code>int a, b = 13 printf ("Value of b is: % d, b); b = a% * 2 void main { int lambda = 2 y = 3 = 6, ans; ans = z/x + x*y; printf("%d", ans);</code>
4	What is meant by operator precedence?
5	What is the output of the following code? <code>int a 43 / (5 + 1) + 7% * 4 printf("%d", a);</code>
6	Write truth table for OR operator.
7	Find errors in the following code: <code>int a, b = 13 b = a% * 2 printf ("Value of b is: % d, b);</code>
8	Define binary operator.
9	What is the difference between == operator and = operator?
10	Define arithmetic operators.
11	Trace the error of the following code: <code>printf (I live in Lahore);</code>
12	What is the output of the following code? <code>{ int x = 45 if (x +20^ * 7==455) printf ("Good Luck"); else } printf ("Hope for the Best");</code>
13	Identify errors in the following code: <code>Print (Pakistan');</code>
14	What is the difference between unary operator and binary operator?
15	What will be the output of the following code: <code>int a = 7 b = 10 int a=3^ * 5 / (2 - 3) + 7% * 2 ; printf("%d", a);</code>
16	Solve the given Expression: $7+3^ * (12 + 4)$
17	Find the result of the following expression: $3 - 3 + 9\% 2/(3-2)$
18	Write down the output of the following code: <code>int a=3^ * 5 / (2 + 3) + 7% * 2 printf("%d", a);</code>
19	Differentiate between unary operator and binary operator.
20	Trace the error of the following statement: <code>#include Stdio.h</code>
21	Why we use Assignment operator in C-Language?
22	What is format specifier?
23	What is NOT Operator? Draw its Truth Table.
24	Why logical operators are used in C-language?
25	Draw a Truth Table of AND Operator.
26	What is the purpose of a modulus operator? Give an example.
27	Find errors in the given code: <code>int a scanf("%d", a);</code>
28	Trace the error of the following code: <code>if (5== 5) { x++; y++; }</code>
29	Describe the reason behind compiler error in a C-language program.
30	Find the result of the given expression: $25/5\% 3-(2-1)$
31	Trace an error from the following code: <code>int add(int x, int y) int result; result = x+y ret result;</code>
32	Write the output of given code: <code>print f("Hello\n World");</code>
33	What is syntax error?
34	What is the use of format specifier in C-Language?
35	What is the output of the following code? <code>int a = 11; if (a%2!=0) printf("odd");</code>
36	Identify the error in the following statement: <code>Printf ("Sum of 2+3="2+3);</code>
37	What is the purpose of escape sequence?
38	What is the purpose of "\n"?
39	Can a program with syntax errors be compiled?
40	Write the output of following code: <code>printf("1\n 2 \n 3");</code>
41	Define a binary operator with an example.

42	Write names of operators used in C-language.
43	Identify errors in the following code: <code>if (a < b & & bc); Suma+b+c; else multiply=a*b*c;</code>
44	Define short circuiting.
45	Solve the following expression: $25\%34*4$
46	Solve the given Expression: $4+7*(10-5)$
47	Write the output of the following statement: <code>Printf("*/n**\n***");</code>
48	What will be the output of the following code? <code>float height = 5.8; printf("height=%2f", height);</code>

S.No	Most Important Short Questions (Chapter # 3)
1	Write syntax of if-else statement.
2	Why do we need conditional statements?
3	Identify error in the following code: <code>if (x > 10) printf("Good");</code>
4	Write down the output of the following code segments: <code>int i; for (i = 1; i < 10; i = i + 2) printf("\n");</code>
5	What will be the output of following code? <code>int xyz(int n) return n + n; int main() int p = xyz(5); printf("%d", p);</code>
6	Write the output of the following code: <code>int a = 4; b; float c = 2.3; printf("%d", b); b = c * a;</code>
7	Why do we need conditional statement?
8	Identify the errors in this code: <code>int a; if (a > 40) printf("PASS");</code>
9	Identify errors in the following code: <code>if (age > 70); printf("Senior Citizen");</code>
10	Find errors in following code: <code>for (int x = 0; x < 5, x++) printf("Word");</code>
11	Write output of following code: <code>for (int a = 1; a < 4; a++) printf("Hello\n");</code>
12	What is the output of given code? <code>int a = 4, b = 5; a = a + b; if (a > 8 * 8 && b < 8) b = a + b; printf("a = %d, b = %d", a, b);</code>
13	Identify error(s) in the following code: <code>if (a < 7 < b) printf("7");</code>
14	Write output of the following code: <code>int x = 10; int y = 5; if (x < y) printf("Correct"); printf("Incorrect");</code>
15	Write down the output of the following code segments: <code>int x = 1; if (x != 1) printf("TRUE"); else printf("FALSE");</code>

16	Identify the error in the following code: <code>int x = 5; if (x > 3); printf("Good");</code>
17	Identify the error in the following code segment: <code>int x = 10; if (x <= 10) printf("Error");</code>
18	Define syntax.
19	Identify errors in the following code: <code>int m = 40; if (m > 33); printf("PASS");</code>
20	Write two types of control statement.
21	What is the use of nested selection structure?
22	What is nested selection structure?
23	Write down the structure of "if else" statement.
24	Define control statement.
25	Draw flow chart for if-else statement.
26	Write down the structure of if-Statement in a C-program.
27	Is it necessary to have else with an if statement? If yes, explain why.
28	Write two types of control statements.
29	What are selection statements?
30	What is conditional logic?
31	What is nested if statement?
32	Draw a flow chart of if statement in C-language.
33	Define Switch case Structure.
34	Why do we use conditional statements?
35	Define Conditional logic.
36	Why do we need selection statements?
37	What is a condition?
38	Identify errors in the following code: <code>if (age > 60); printf("Senior Citizen");</code>
39	Name different control statements used in C-Language.
40	How statements are executed in sequential control?
41	Identify errors in the following code.
42	Define compound statement.

S.No	Most Important Short Questions (Chapter # 4)
1	Trace an error of the following code: <code>Void main() { int array[5]</code>
2	What will be the output of the following?
3	Indicate errors in following code: <code>int max(int a; int b) { } if (a > b); return a; return b;</code>
4	How is an array element accessed?
5	What is meant by array declaration?
6	Identify the errors in this code: <code>int a[3] = {2, 3, 4};</code>
7	What is meant by loop structure?
8	What is the output of the following code?
9	<code>int aa(int x) { int p = x / 10; for (int i = 0; i < 3; i++) return p; }</code>
10	What is the output of the following code? <code>int main() { printf("Pakistan\n"); printf("We get %d", aa(20)); }</code>
11	Define data structure.
12	Is loop a data structure? Explain.
13	Find errors in the following code: <code>for (int i = 1; i <= 10; i++) { int a; printf("%d\n", i); scanf(" : %d", a); }</code>

14	Identify the errors in this code: <code>int a[3] {2, 3, 4};</code>
15	Write down the name of parts of the for loop syntax.
16	Declare an array of type float that can store 5 values.
17	Define nested loop.
18	What is meant by loop structure?
19	What is meant by syntax?
20	What is meant by array initialization?
21	Write down the names of types of loops.
22	Write syntax to declare any array.
23	How would you declare and initialize a float type array to store the height of seven persons?
24	How does one declare an array in C-language?
25	Declare an array of float type to store 30 students' marks.
26	Trace an error from the syntax of an array: <code>array-name[array-size];</code>
27	Declare a float type array, which stores marks of 15 students.
28	Write the advantage of initializing an array at the time of declaration.
29	What is a counter variable?
30	Declare an array of float type to store 10 students' marks.
31	Write down the steps of a for loop.
32	What is meant by an array index?
33	What is a common mistake in a compound statement?
34	Define Index.
35	What is meant by array size?
36	How is an array declared in C language?
37	Declare an array that can store any 10 values.
38	Define Loop.
39	Write down the general syntax of array initialization.
40	Write the flowchart of FOR loop.
41	Define an array.
S.No	Most Important Short Questions (Chapter # 5)
1	Find errors in the following code: <code>ini product (int n1; int n2) return n1 * n2;</code>
2	Define Arguments.
3	How to call a function in a main program if a function name is Show Program?
4	Write down a function signature if a function takes an integer as input and returns its square.
5	Define <code>printf()</code> function.
6	Can a function have multiple return statements?
7	Write the names of two functions for input in C language.
8	What is meant by function signature?
9	Who is a programmer?
10	What is meant by calling a function?
11	What is the data type of parameters?
12	What is meant by a problem-solving approach?
13	Describe the advantages of using functions.
14	Why do we call a function?
15	What is meant by arguments in a function?
16	What is the divide and conquer rule?
17	Which approach divides a problem into smaller problems and why?
18	Define function.
19	Define a function body.
20	What is function defining?
21	How many values can a function return?

22	Define argument.
23	What do you know about the <code>return</code> keyword?
24	What is meant by parameters?
25	What is meant by the return type of a function?
26	What is meant by function arguments?
27	Write the general structure of a function signature.
28	What is the difference between an argument and a parameter?
29	What is meant by the reusability of a function?
30	What is a user-defined function?
31	How does a function improve the readability of a program?
32	Write name of types of functions.
33	Enlist the parts of function definition.
34	What are built in functions?

S.No	Most Important Long Questions (Chapter # 1)
1	What is meant by data types of variables? Describe different data types of variables.
2	Explain the data type in C language.
3	Why do we use comments in programming? Also, define its types.
4	What is an escape character? Describe an escape sequence used for a new line with an example.
5	What are constants? Describe types of constants.
6	What is an Integrated Development Environment (IDE)? Write the IDEs for C language.
7	What do you know about variable initialization? Also, explain comments.
8	Explain <code>int</code> and <code>float</code> data types in C language.
9	What is meant by comments in a C program? Describe the purposes and types of comments.

S.No	Most Important Long Questions (Chapter # 2)
1	What is an operator? Explain the Unary and Binary operator with an example.
2	What are logical operators? Discuss types of logical operators.
3	What are logical operators? Explain their types.
4	What is meant by variable data types? Explain three data types of C language.
5	Define operator. Explain different types of logical operators.
6	What are operators? Explain assignment operators and arithmetic operators.
7	What is the difference between <code><</code> , <code>></code> , <code>=</code> , <code>==</code> operators?
8	Describe Arithmetic operators and Relational operators.
9	Write a program that displays the values from 10 to 1 on the computer screen.
10	Define operator. Explain different types of relational operators.

S.No	Most Important Long Questions (Chapter # 3)
1	What is a Control Statement? How many types of control statements are provided by C language? Explain.
2	Differentiate between <code>if</code> statement and <code>if-else</code> selection statement with an example.
3	What is meant by a Selection Statement? Explain the use and structure of the <code>IF</code> statement with the help of a flowchart and example.
4	Draw a flowchart of a marketing company for their employee salary.
5	Write the structure of <code>if</code> statement with brief description.

