

1. Programming Language : 10 hrs

1. Which of the following is not a type of programming language?

- a) High-level language
- b) Assembly language
- c) Markup language
- d) Machine language

Answer: c) Markup language

2. A program that translates high-level programming code into machine language is known as a:

- a) Compiler
- b) Interpreter
- c) Assembler
- d) Linker

Answer: a) Compiler

3. Which of the following is an example of a language processor?

- a) Operating system
- b) Compiler
- c) Editor
- d) Text processor

Answer: b) Compiler

4. Which of the following is not a common type of error in a program?

- a) Syntax error
- b) Runtime error
- c) Logical error
- d) Format error

Answer: d) Format error

5. Which feature of a good program makes it easy to understand and modify?

- a) Portability
- b) Efficiency
- c) Readability
- d) Security

Answer: c) Readability

6. In which programming paradigm does a program consist of a series of statements that change the state of the program?

- a) Object-oriented programming
- b) Functional programming
- c) Imperative programming
- d) Declarative programming

Answer: c) Imperative programming

7. What is the first phase of the Software Development Life Cycle (SDLC)?

- a) Design
- b) Implementation
- c) Testing
- d) Requirement gathering

Answer: d) Requirement gathering

8. Which of the following is a system design tool used to represent the flow of data and control in a system?

- a) Data flow diagram (DFD)
- b) Entity relationship diagram (ERD)
- c) Gantt chart
- d) Use case diagram

Answer: a) Data flow diagram (DFD)

9. Which programming paradigm focuses on the use of objects and classes to model real-world entities?

- a) Procedural programming
- b) Object-oriented programming
- c) Functional programming
- d) Logic programming

Answer: b) Object-oriented programming

10. Which of the following best describes the purpose of a language processor?

- a) It helps execute the program
- b) It manages system resources
- c) It converts code from one language to another
- d) It organizes the program structure

Answer: c) It converts code from one language to another

2. Programming Technique : 5 hrs

1. Which programming technique focuses on developing a system by breaking it down into smaller modules that can be individually designed, developed, and tested?

- a) Object-oriented programming
- b) Structured programming
- c) Modular programming
- d) Functional programming

Answer: c) Modular programming

2. The process of starting with the high-level design and breaking it down into smaller, more detailed components is known as:

- a) Top-down approach
- b) Bottom-up approach
- c) Iterative approach
- d) Structured approach

Answer: a) Top-down approach

3. A program developed using the bottom-up approach begins with:

- a) A high-level design of the system
- b) Writing detailed specifications for each module
- c) Testing the program
- d) Building small, independent modules and combining them later

Answer: d) Building small, independent modules and combining them later

4. Which of the following describes a system where all parts are closely related and the module performs a single, well-defined task?

- a) High coupling
- b) Low cohesion
- c) High cohesion
- d) Low coupling

Answer: c) High cohesion

5. The goal of reducing the dependencies between modules, where changes in one module do not significantly affect others, is known as:

- a) Cohesion
- b) Coupling
- c) Modularity
- d) Encapsulation

Answer: b) Coupling

6. Which of the following programming paradigms encourages the use of sequence, selection, and iteration structures to improve clarity and reduce complexity?

- a) Object-oriented programming
- b) Structured programming
- c) Event-driven programming
- d) Imperative programming

Answer: b) Structured programming

7. In which technique is the outcome of each operation predictable and consistent, regardless of external factors?

- a) Non-deterministic technique
- b) Recursive technique

- c) Deterministic technique
- d) Randomized technique

Answer: c) Deterministic technique

8. If a technique produces different results each time for the same input, it is considered to be:

- a) Non-deterministic
- b) Iterative
- c) Deterministic
- d) Recursive

Answer: a) Non-deterministic

9. In iterative logic, a task is repeated by using:

- a) A function calling itself
- b) A loop that repeats the operation
- c) Multiple modules performing different tasks
- d) Sequential execution of code

Answer: b) A loop that repeats the operation

10. The use of functions calling themselves to solve a problem, such as calculating factorials, is known as:

- a) Iterative logic
- b) Structured programming
- c) Recursion
- d) Modular programming

Answer: c) Recursion

3. Basic concept of C : 5 hrs

1. Which of the following was the main reason for the creation of the C programming language?

- a) To create a high-level programming language for system programming
- b) To develop web applications
- c) To improve hardware design
- d) To replace assembly language completely

Answer: a) To create a high-level programming language for system programming

2. Which of the following is a feature of the C programming language?

- a) Object-oriented programming support
- b) High-level abstraction from hardware
- c) Portability across different platforms
- d) Lack of built-in support for data structures

Answer: c) Portability across different platforms

3. Which of the following is NOT an advantage of using the C programming language?

- a) High performance
- b) Low-level access to memory
- c) No need for manual memory management
- d) Portability

Answer: c) No need for manual memory management

4. What is the structure of a basic C program?

- a) Header files, main function, statements
- b) Main function, variables, functions
- c) Preprocessor directives, functions, comments
- d) Preprocessor directives, functions, header files

Answer: a) Header files, main function, statements

5. Which of the following is the purpose of C preprocessor directives?

- a) To manage memory during execution
- b) To include external files or define constants before compilation
- c) To handle errors during program execution
- d) To optimize the program for better performance

Answer: b) To include external files or define constants before compilation

6. Which of the following is an example of a C library function?

- a) printf()
- b) main()
- c) include()
- d) return()

Answer: a) printf()

7. In C programming, what is the purpose of the escape sequence `\n`?

- a) To insert a tab character
- b) To insert a newline character
- c) To represent a null character
- d) To insert a quotation mark

Answer: b) To insert a newline character

8. Which of the following is NOT a valid token in C?

- a) Keywords
- b) Identifiers
- c) Constants
- d) Functions

Answer: d) Functions

9. What type of data does the `float` data type represent in C?

- a) Whole numbers
- b) Characters
- c) Decimal numbers
- d) Boolean values

Answer: c) Decimal numbers

10. Which of the following preprocessor directives is used to include a header file in a C program?

- a) #define
- b) #include
- c) #ifdef
- d) #error

Answer: b) #include

4. Input and Output : 3 hrs

1. Which of the following functions is used for reading formatted input from the user in C?

- a) scanf()
- b) getch()
- c) getchar()
- d) gets()

Answer: a) scanf()

2. The function printf() in C is used for:

- a) Reading formatted input from the user
- b) Writing unformatted output to the screen
- c) Writing formatted output to the screen
- d) Reading unformatted input from the user

Answer: c) Writing formatted output to the screen

3. Which of the following functions reads a single character from the user without echoing it on the screen?

- a) getch()
- b) getchar()
- c) gets()
- d) scanf()

Answer: a) getch()

4. Which function is used to print a single character to the screen in C?

- a) putchar()
- b) printf()
- c) putch()
- d) getchar()

Answer: a) putchar()

5. Which of the following functions is used to display output without a newline character in C?

- a) printf()
- b) putchar()
- c) puts()
- d) getch()

Answer: b) putchar()

6. Which function in C reads a string from the user and stores it in a character array?

- a) getchar()
- b) getch()
- c) gets()
- d) scanf()

Answer: c) gets()

7. What is the difference between getch() and getchar() in C?

- a) getch() waits for a newline, getchar() does not
- b) getch() does not echo the character, getchar() does
- c) getch() returns an integer, getchar() returns a character
- d) There is no difference between the two

Answer: b) getch() does not echo the character, getchar() does

8. Which of the following functions is used for reading a character from the standard input and displaying it immediately?

- a) getche()
- b) getch()
- c) getchar()
- d) puts()

Answer: a) getche()

9. Which of the following functions in C is used to write a string with a newline character?

- a) printf()
- b) puts()
- c) getch()
- d) putchar()

Answer: b) puts()

10. Which of the following C functions is used for reading a line of text from the user?

- a) scanf()
- b) getch()

- c) getchar()
- d) gets()

Answer: d) gets()

5. Operators and Expressions : 3 hrs

1. Which of the following operators is used to add two numbers in C?

- a) *
- b) +
- c) -
- d) /

Answer: b) +

2. What is the result of the expression `5 > 3 && 2 < 4` in C?

- a) 1 (True)
- b) 0 (False)
- c) Undefined
- d) 5

Answer: a) 1 (True)

3. Which of the following operators is used for assigning a value to a variable in C?

- a) ==
- b) =
- c) &&
- d) !=

Answer: b) =

4. What will be the output of the following C code:

```
int x = 5;
printf("%d", ++x);
```

- a) 5
- b) 6
- c) 4
- d) Undefined

Answer: b) 6

5. Which operator is used for performing a bitwise AND operation in C?

- a) &&
- b) &
- c) |
- d) ^

Answer: b) &

6. Which of the following expressions uses the conditional (ternary) operator in C?

- a) `x = a + b;`
- b) `x = (a > b) ? a : b;`
- c) `x = a && b;`
- d) `x = a | b;`

Answer: b) `x = (a > b) ? a : b;`

7. What is the output of the following code segment in C?

```
int a = 10, b = 5;  
a = a-- - --b;  
printf("%d", a);
```

- a) 4
- b) 5
- c) 6
- d) Undefined

Answer: c) 6

8. Which operator is used to determine the size of a variable or data type in C?

- a) `sizeof`
- b) `&`
- c) `sizeofof`
- d) `lengthof`

Answer: a) `sizeof`

9. Which of the following is true about operator precedence in C?

- a) Operators with higher precedence are evaluated first
- b) Operators with lower precedence are evaluated first
- c) The precedence of operators doesn't matter in C
- d) Operators with equal precedence are evaluated randomly

Answer: a) Operators with higher precedence are evaluated first

10. What does type casting in C allow you to do in an expression?

- a) Change the data type of a variable explicitly
- b) Convert a variable to a string
- c) Automatically choose the best data type
- d) Perform bitwise operations

Answer: a) Change the data type of a variable explicitly

6. Control Structure : 6 hrs

1. Which of the following is used to control the flow of execution in a program based on certain conditions?

- a) Looping structures
- b) Control structures
- c) Functions
- d) Preprocessor directives

Answer: b) Control structures

2. Which of the following is a correct syntax for the `if` statement in C?

- a) `if condition { statement; }`
- b) `if (condition) statement;`
- c) `if (condition) { statement; }`
- d) `if condition (statement);`

Answer: c) `if (condition) { statement; }`

3. In which of the following control structures is the condition checked after the execution of the loop body?

- a) `for` loop
- b) `while` loop
- c) `do-while` loop
- d) `if-else` statement

Answer: c) `do-while` loop

4. What is the purpose of the `switch` statement in C?

- a) To check multiple conditions and execute corresponding blocks of code
- b) To iterate through a block of code until a condition is met
- c) To compare two values and execute based on equality
- d) To execute a block of code only once if the condition is true

Answer: a) To check multiple conditions and execute corresponding blocks of code

5. Which of the following statements is true about the `for` loop in C?

- a) It is used when the number of iterations is not known.
- b) It executes at least once regardless of the condition.
- c) The initialization, condition, and increment/decrement can be specified in a single line.
- d) It only executes when the condition is true.

Answer: c) The initialization, condition, and increment/decrement can be specified in a single line.

6. What happens if the condition in a `while` loop is false at the beginning?

- a) The loop executes once before checking the condition.
- b) The loop does not execute at all.
- c) The program exits immediately.
- d) The program continues to the next statement.

Answer: b) The loop does not execute at all.

7. Which statement is used to immediately exit from a loop in C?

- a) break
- b) continue
- c) goto
- d) exit

Answer: a) break

8. Which control structure is used to skip the current iteration and move to the next iteration of a loop?

- a) continue
- b) break
- c) goto
- d) return

Answer: a) continue

9. In C, a goto statement is used for:

- a) Jumping to the beginning of the loop
- b) Jumping to the next statement
- c) Jumping to a specific label in the program
- d) Jumping to a predefined function

Answer: c) Jumping to a specific label in the program

10. What is a nested control structure in C?

- a) Using the same type of control structure inside itself
- b) Using a loop inside a function
- c) Using one control structure inside another control structure
- d) Using goto inside a loop

Answer: c) Using one control structure inside another control structure

7. Array : 6 hrs

1. How is a one-dimensional array declared in C?

- a) `int arr[10];`
- b) `int arr(10);`
- c) `int arr[];`
- d) `array int[10];`

Answer: a) `int arr[10];`

2. Which of the following is the correct way to initialize a one-dimensional array in C?

- a) `int arr = {1, 2, 3, 4, 5};`
- b) `int arr[5] = {1, 2, 3, 4, 5};`

- c) `int arr[5] = (1, 2, 3, 4, 5);`
- d) `int arr[5] = [1, 2, 3, 4, 5];`

Answer: b) `int arr[5] = {1, 2, 3, 4, 5};`

3. How do you access the third element of an array `arr[]` in C?

- a) `arr[3]`
- b) `arr[2]`
- c) `arr(3)`
- d) `arr{3}`

Answer: b) `arr[2]` (because array indexing starts at 0)

4. What will be the value of `arr[4]` if the array is declared as `int arr[5] = {2, 4, 6, 8, 10};` ?

- a) 2
- b) 4
- c) 6
- d) 10

Answer: d) 10

5. How is a multi-dimensional array declared in C?

- a) `int arr[2, 3];`
- b) `int arr[2][3];`
- c) `int arr[2, 3][][];`
- d) `int arr(2, 3);`

Answer: b) `int arr[2][3];`

6. Which sorting algorithm has the worst time complexity of $O(n^2)$ in its worst case?

- a) Merge Sort
- b) Quick Sort
- c) Bubble Sort
- d) Radix Sort

Answer: c) Bubble Sort

7. Which of the following sorting algorithms works by repeatedly finding the smallest element and placing it at the beginning of the array?

- a) Merge Sort
- b) Selection Sort
- c) Insertion Sort
- d) Quick Sort

Answer: b) Selection Sort

8. What is the time complexity of sequential (linear) search in an array?

- a) $O(1)$
- b) $O(n)$

- c) $O(\log n)$
- d) $O(n^2)$

Answer: b) $O(n)$

9. Which of the following functions is used to find the length of a string in C?

- a) `strlen()`
- b) `length()`
- c) `strlength()`
- d) `size()`

Answer: a) `strlen()`

10. Which of the following is true about a string in C?

- a) A string is an array of characters ending with a null character (`'\0'`).
- b) A string is an array of characters without any terminator.
- c) A string is always fixed-length and cannot change.
- d) A string in C is a dynamic memory structure.

Answer: a) A string is an array of characters ending with a null character (`'\0'`).

8. User Defined Function : 5 hrs

1. What is the main advantage of using user-defined functions in C?

- a) They allow code reuse and modularity.
- b) They provide faster execution.
- c) They reduce memory usage.
- d) They allow only integer data types.

Answer: a) They allow code reuse and modularity.

2. Which of the following is the correct syntax to define a function in C?

- a) `void functionName {}`
- b) `functionName() {}`
- c) `returnType functionName() {}`
- d) `returnType {functionName() }`

Answer: c) `returnType functionName() {}`

3. Which of the following is a valid function parameter type in C?

- a) `int[]`
- b) `int*`
- c) `char[]`
- d) All of the above

Answer: d) All of the above

4. Which statement is true about recursion in C?

- a) A function cannot call itself directly or indirectly.
- b) A recursive function always leads to an infinite loop.
- c) A recursive function must have a base case to terminate.
- d) Recursion is not allowed in C.

Answer: c) A recursive function must have a base case to terminate.

5. What happens when an array is passed to a function in C?

- a) A copy of the array is passed.
- b) The array is passed by reference, meaning any changes affect the original array.
- c) Only the first element of the array is passed.
- d) The array is passed by value.

Answer: b) The array is passed by reference, meaning any changes affect the original array.

6. Which type of function call passes the argument by reference in C?

- a) Call by Value
- b) Call by Reference
- c) Call by Address
- d) None of the above

Answer: b) Call by Reference

7. Which of the following is true about macros in C?

- a) Macros are functions that are executed at runtime.
- b) Macros are replaced by their definition during the preprocessing phase.
- c) Macros are slower than regular functions.
- d) Macros take parameters and can be recursive.

Answer: b) Macros are replaced by their definition during the preprocessing phase.

8. Which storage class keyword is used to define a variable that retains its value between function calls?

- a) auto
- b) static
- c) extern
- d) register

Answer: b) static

9. What is the difference between a library function and a user-defined function?

- a) Library functions are predefined, while user-defined functions are written by the user.
- b) Library functions can only be used once, while user-defined functions can be reused.
- c) User-defined functions cannot have parameters, whereas library functions can.
- d) Library functions are always faster than user-defined functions.

Answer: a) Library functions are predefined, while user-defined functions are written by the user.

10. What is the purpose of the `return` statement in a function?

- a) It terminates the program.
- b) It passes control to the calling function and can return a value.
- c) It prevents the function from being called again.
- d) It defines the function's return type.

Answer: b) It passes control to the calling function and can return a value.

9. Pointer : 6 hrs

1. Which operator is used to access the value stored at a memory address in C?

- a) `&`
- b) `*`
- c) `->`
- d) `[]`

Answer: b) `*`

2. What is the correct way to declare a pointer in C?

- a) `int *ptr;`
- b) `ptr int*;`
- c) `*ptr int;`
- d) `int ptr*;`

Answer: a) `int *ptr;`

3. What does the `&` operator do in C?

- a) It is used to dereference a pointer.
- b) It is used to assign values to variables.
- c) It returns the address of a variable.
- d) It increments the pointer by one.

Answer: c) It returns the address of a variable.

4. How do you access the value stored at the memory address pointed to by a pointer `ptr`?

- a) `ptr()`
- b) `&ptr`
- c) `*ptr`
- d) `ptr[]`

Answer: c) `*ptr`

5. Which of the following is the correct syntax for pointer to pointer?

- a) `int **ptr;`
- b) `int *ptr*;`

- c) `ptr **int;`
- d) `ptr int**;`

Answer: a) `int **ptr;`

6. What is pointer arithmetic in C?

- a) Incrementing or decrementing the value of the pointer
- b) Performing arithmetic operations directly on the pointer values
- c) Incrementing or decrementing the pointer to move between array elements
- d) All of the above

Answer: d) All of the above

7. When passing a pointer to a function, what is passed to the function?

- a) A copy of the value stored at the pointer
- b) A copy of the pointer
- c) The memory address pointed to by the pointer
- d) The memory location of the pointer variable

Answer: c) The memory address pointed to by the pointer

8. How do you access an element of an array using a pointer?

- a) `arr[]`
- b) `*arr[]`
- c) `arr[*]`
- d) `*(arr + index)`

Answer: d) `*(arr + index)`

9. What is a "pointer to a string" in C?

- a) An array of characters
- b) A string literal
- c) A pointer that stores the address of the first character of a string
- d) A function that returns a string

Answer: c) A pointer that stores the address of the first character of a string

10. What is the correct way to allocate memory dynamically for an array of 5 integers in C?

- a) `int *arr = malloc(5 * sizeof(int));`
- b) `int *arr = new int[5];`
- c) `int arr = malloc(5 * sizeof(int));`
- d) `int *arr = calloc(5, sizeof(int));`

Answer: a) `int *arr = malloc(5 * sizeof(int));`

10. Structure : 5 hrs

1. Which of the following is the correct way to declare a structure in C?

- a) `struct Person { int age; char name[20]; };`
- b) `struct { int age; char name[20]; } Person;`
- c) `Person { int age; char name[20]; } struct;`
- d) `struct Person { int age, name[20]; };`

Answer: a) `struct Person { int age; char name[20]; };`

2. What is the correct way to access the members of a structure variable person in C?

- a) `person.age`
- b) `person->age`
- c) `age.person`
- d) `person:age`

Answer: a) `person.age`

3. How do you initialize a structure variable in C?

- a) `struct person = { 25, "John" };`
- b) `struct person = (25, "John");`
- c) `struct person = { 25, 'John' };`
- d) `struct person = 25, "John";`

Answer: a) `struct person = { 25, "John" };`

4. What is a nested structure in C?

- a) A structure that contains another structure as its member
- b) A structure that has no members
- c) A structure with only one data type
- d) A structure that has an array as a member

Answer: a) A structure that contains another structure as its member

5. Which of the following is the correct way to pass a structure to a function?

- a) `void func(struct person p);`
- b) `void func(struct person *p);`
- c) `void func(struct person p[]);`
- d) `void func(struct *person p);`

Answer: b) `void func(struct person *p);`

6. What happens when an array of structures is passed to a function in C?

- a) The array is passed by value
- b) A copy of the array is created
- c) The array is passed by reference, allowing modification of original values
- d) Only the first element of the array is passed

Answer: c) The array is passed by reference, allowing modification of original values

7. How do you access the members of a structure pointer in C?

- a) `->` operator
- b) `.` operator
- c) `[]` operator
- d) `&` operator

Answer: a) `->` operator

8. What is the primary difference between a structure and a union in C?

- a) A structure uses more memory than a union.
- b) A structure stores data of different types in the same memory location.
- c) A union stores all members in different memory locations.
- d) A union can only store one member at a time, while a structure can store multiple.

Answer: d) A union can only store one member at a time, while a structure can store multiple.

9. What is the correct way to define a structure that contains an array within it?

- a) `struct { int arr[5]; } person;`
- b) `struct { int arr[]; } person;`
- c) `struct person { int arr[5]; };`
- d) `struct person { int arr[]; };`

Answer: a) `struct { int arr[5]; } person;`

10. What is the purpose of bit fields in C?

- a) To allocate a specific number of bits for a structure member, saving memory
- b) To store large data in small memory locations
- c) To perform bitwise operations on structure members
- d) To convert integers into binary format

Answer: a) To allocate a specific number of bits for a structure member, saving memory

11. Data File Handling : 4 hrs

1. Which function is used to open a file in C?

- a) `open()`
- b) `fopen()`
- c) `fileopen()`
- d) `openfile()`

Answer: b) `fopen()`

2. What is the correct syntax for closing a file in C?

- a) `close(file)`
- b) `fclose(file)`
- c) `fileclose()`
- d) `file.close()`

Answer: b) `fclose(file)`

3. Which of the following modes is used to open a file for writing in C?

- a) "r"
- b) "w"
- c) "rw"
- d) "a"

Answer: b) "w"

4. Which function is used to read data from a file in C?

- a) read()
- b) fread()
- c) fscanf()
- d) get()

Answer: b) fread()

5. How do you write a string to a file in C?

- a) fwrite(file, string)
- b) fprintf(file, string)
- c) fputc(file, string)
- d) write(file, string)

Answer: b) fprintf(file, string)

6. Which of the following is used to update the content of a file in C?

- a) fwrite()
- b) fscanf()
- c) fseek()
- d) fputs()

Answer: c) fseek()

7. Which function is used to print the contents of a file to the console in C?

- a) printf()
- b) print()
- c) fprintf()
- d) fputs()

Answer: a) printf()

8. What does the ftell() function do in C?

- a) It reads a specific byte from the file.
- b) It returns the current file pointer position.
- c) It moves the file pointer to a specific location.
- d) It closes the file.

Answer: b) It returns the current file pointer position.

9. Which function is used to randomly access a file in C?

- a) `fseek()`
- b) `ftell()`
- c) `fread()`
- d) `fopen()`

Answer: a) `fseek()`

10. How can you read a line from a file in C?

- a) `fscanf()`
- b) `fget()`
- c) `fgets()`
- d) `get()`

Answer: c) `fgets()`

12. Introduction to Graphics : 2 hrs

1. Which of the following is used to initialize graphics in C?

- a) `initgraph()`
- b) `startgraph()`
- c) `graphinit()`
- d) `begingraph()`

Answer: a) `initgraph()`

2. What is the first step before using graphics functions in C?

- a) Setting up the color mode
- b) Initializing the graphics mode
- c) Defining the coordinates
- d) Opening the graphics window

Answer: b) Initializing the graphics mode

3. What function is used to close the graphics mode in C?

- a) `closegraph()`
- b) `endgraph()`
- c) `exitgraph()`
- d) `shutdowngraph()`

Answer: a) `closegraph()`

4. Which header file is required to work with graphics in C?

- a) `graphics.h`
- b) `graph.h`
- c) `draw.h`
- d) `visual.h`

Answer: a) `graphics.h`

5. Which function is used to set the color of a drawing object in C graphics?

- a) `setcolor()`
- b) `setcolorvalue()`
- c) `setfillcolor()`
- d) `setdrawcolor()`

Answer: a) `setcolor()`

6. Which of the following functions is used to draw a circle in C graphics?

- a) `drawcircle()`
- b) `circle()`
- c) `setcircle()`
- d) `circleshape()`

Answer: b) `circle()`

7. Which function is used to draw a line in C graphics?

- a) `drawline()`
- b) `line()`
- c) `setline()`
- d) `draw()`

Answer: b) `line()`

8. What is the default graphics mode for a program using the `initgraph()` function in C?

- a) Text mode
- b) Graphics mode
- c) Windowed mode
- d) Turbo mode

Answer: b) Graphics mode

9. What does the `getmaxx()` function return in C graphics?

- a) The maximum height of the graphics window
- b) The maximum color value
- c) The maximum x-coordinate for drawing
- d) The maximum y-coordinate for drawing

Answer: c) The maximum x-coordinate for drawing

10. How do you set the background color in C graphics?

- a) `setbgcolor()`
- b) `setfillcolor()`
- c) `setbkcolor()`
- d) `backgroundcolor()`

Answer: c) `setbkcolor()`
