

Computer Concepts and Programming in C (Amrita Bhattacharya)
OBJECTIVE QUESTIONS

Q-1 C is a — language

- (a) High level (b) low level
(c) Middle level (d) Machine level

Q-2 which of the following is a keyword is used for a storage class

- (a) printf (b) external
(c) auto (d) scanf

Q-3 which of the following are keywords

- (a) Name (b) auto
(c) emp (d) address

Q-4 which of the following are valid variable name

- (a) empname (b) emp
(c) emp-name (d) emp name

Q-5 The output of

```
main()
{
  int a;
  a = 4%5 + 6%5;
  printf("a = %d", a);
}
```

is

- (a) a=7 (b) a=2
(c) a=5 (d) a=3

Q-6 Which operator in C is called a ternary operator

(a) if.. then

(b) ++

(c) ?

(d) ()

Q-7 The continue statement cannot be used with

(a) for

(b) switch

(c) do

(d) while

Q-8 The operator, !, falls under the category of — operators.

(a) Conditional

(b) Unary

(c) Modulo

(d) Boolean complement

Q-9 Which among the following is a unconditional control structure

(a) do-while

(b) if-else

(c) goto

(d) for

Q-10 C supports how many basic looping constructs?

(a) 2

(b) 3

(c) 4

(d) 6

Q-11 Name the statement supported by C to branch unconditionally from one step to another in the program

(a) Break

(b) Goto

(c) loop

(d) continue

-12 $\text{int } x = 2 * 3 + 4 * 5;$

What value will x contain in the sample code above?

(a) 22

(b) 26

(c) 46

(d) 50

Q-13 Which header file is essential for using `strcmp()` function?

(a) `string.h`

(b) `strings.h`

(c) `text.h`

(d) `strcmp.h`

Q-14 Pushdown list means

(a) stack

(b) Queue

(c) linked list

(d) All the above

Q-15 Which of the following is not a Math function?

(a) `cos()`

(b) `sin()`

(c) `atan2()`

(d) `sine()`

Q-16 What is the advantage of using functions in a program?

(a) Functions are a key to object oriented programming.

(b) Functions make the program run faster.

(c) Functions make the program complex

(d) Function makes the program reusable

Q-17 Which of the following commands is used to define a string substitution?

(a) `#define`

(b) `#ifndef`

(b) `#else`

(d) `#ifdef`

• which local variable exists and retains its value even after the control is transferred to the calling function?

(a) Auto

(b) static

(c) Extern

(d) Register

Q-19 malloc() function used in dynamic allocation is available in which header file?

(a) stdio.h

(b) stdlib.h

(c) conio.h

(d) mem.h

Q-20 Continue statement is used

(a) to go to the next iteration in a loop

(b) come out a loop

(c) exit and return to the main function

(d) restarts iterations from beginning of loop

Q-21 When applied to a variable, what does the unary "&" operator yield?

(a) The variable's address (b) The variable's right value

(c) The variable's binary form (d) The variable's value

Q-22 The number of the relational operators in the C language is

(a) four

(b) six

(c) Three

(d) One

Which one of the following is NOT a valid identifier?

- (a) Ident (b) auto
(c) bigNumber (d) g42277
(e) peaceful_in_space

24. Which of the following statements is true?

- (a) C library functions provide I/O facilities
(b) C inherent I/O facilities
(c) C doesn't have I/O facilities
(d) Both (a) and (c)

25. Header file in C contain

- (a) Compiler commands (c) Header information of C program
(b) library function (d) operators for files.

26. C is which kind of language?

- (a) Machine (b) Procedural
(c) Assembly (d) object-oriented
(e) strictly-typed

27. Which of the following is a valid keyword?

- (a) Number (b) Boolean
(c) Varchar2 (d) sizeof

28. Which of the following format specifier is used with printf format code to print a signed decimal integer?

- (a) %I (b) %c
(c) %d (d) %u

which detail is not included in the signature of a function?

- (a) number of parameters (b) name of the function
(c) types of parameters (d) return type of the function

30. An expression contains relational operators, assignment operators and arithmetic operators. In the absence of parentheses, they will be evaluated in which of the following order:

- (a) assignment, relational, arithmetic
(b) arithmetic, relational, assignment
(c) relational, arithmetic, assignment
(d) assignment, arithmetic, relational

31. The break statement is used to exit from

- (a) an if statement
(b) a for loop
(c) a program
(d) the main function

32. A do-while loop is useful when we want that the statements within the loop be executed:

- (a) only once (b) Atleast once
(c) More than once (d) None of the above

33. What is the difference between the 5's in these two expressions?
(select the correct answer)

```
int num[5];
```

```
num[5] = 11;
```

- (a) first is particular element, second is type.
(b) first is array size, second is particular element.
(c) first is particular element, second is array size
(d) both specify array size.

1. An array is a collection of

- (a) different data types scattered throughout memory
- (b) the same data type scattered throughout the memory
- (c) the same data type placed next to each other in memory
- (d) different data types placed next to each other in memory

35. What will happen if you try to put so many values into an array when you initialise it that the size of the array is exceeded?

- (a) nothing
- (b) possible system malfunction
- (c) error message from the compiler
- (d) other data may be overwritten