

GOVERNMENT ZIRTIRI RESIDENTIAL SCIENCE COLLEGE

**SIXTH SEMESTER
COMPUTER PROGRAMMING IN C (THEORY)
Course/Paper No : MATH/6/CC/364C**

1. If a is a real variable, $a=5/2$ will return a value
 - a) 2.0
 - b) 2.5**
 - c) 3.0
 - d) 0

2. What will be the output of the following arithmetic equation $2/9 + 4*5/4+3$
 - a) 0
 - b) 3
 - c) 5
 - d) 7**

3. Keywords are also called
 - a) Preprocessors
 - b) Reserved words**
 - c) Punctuation marks
 - d) Operators

4. Which of the following is not a compound assignment operator?
 - a) /=
 - b) +=
 - c) %=
 - d) ==**

5. Which of the following cannot be a variable name in C?
 - a) True
 - b) Friend
 - c) Export
 - d) volatile**

6. Functions, which call itself is known as

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- a) Iteration
- b) **Recursion**
- c) Continue
- d) Break

7. The label in Goto statement is same like

- a) **Case in switch statement**
- b) Initialization in for loop
- c) Continuation condition in for loop
- d) All of them

8. The prototype of a function in the header file is

- a) **stdio.h**
- b) `stdlib.h`
- c) `conio.h`
- d) `math.h`

9. Which function is used to read character as you type

- a) `getch()`
- b) **`getchar()`**
- c) `gets()`
- d) `getche()`

10. Decision making and branching statement is

- a) `goto`
- b) **`if else`**
- c) `do while`
- d) `for`

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11. Which of the following is a keyword used for a storage class

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

12. The size of string variable is

- a) 1 byte**
- b) 4 bytes
- c) 8 bytes
- d) 16 bytes

13. How do you initialize an array in C?

- a) `int arr[3] = (1,2,3);`
- b) `int arr(3) = {1,2,3};`
- c) `int arr[3] = {1,2,3};`**
- d) `int arr(3) = (1,2,3);`

14. prior to using pointer variable is

- a) it should be declared
- b) it should be initialized
- c) it should be both declared and initialized**
- d) none of the above

15. Which of the given function is a library function under the header math.h?

- a) `log10()`**
- b) `log20()`
- c) `log30()`
- d) `log50()`

16. What will be the size of the following structure?

```
struct demo{  
int a;  
char b;  
float c;
```

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}

- a) 12
- b) 8
- c) 10
- d) 9

17. The size of a union is determined by the size of the _____

- a) First member in the union
- b) Last member in the union
- c) **Biggest member in the union**
- d) Sum of the sizes of all members

18. What is the keyword used to declare a C file pointer?

- a) file
- b) **FILE**
- c) FILEFP
- d) filefp

19. What are the C functions used to read or write a file in Text Mode.?

- a) **fprintf(), fscanf()**
- b) fread(), fwrite()
- c) fprintf(), fscanf()
- d) read(), write()

20. Choose a C unformatted input output function below.

- a) gets(), puts()
- b) getchar(), putchar()
- c) **a & b**
- d) None of the above

Fill in the blanks

1. Standard ANSI C recognises _____ number of keywords
2. A C program is basically a collection of _____
3. The operator “++” is known as -----operator.
4. _____ is the default return-type of getchar()
5. Escape sequences are prefixed with _____
6. _____ is the way to suddenly come out of or quit any loop in C Language
7. The space is allocated for an automatic storage class variable in _____
8. An array elements are always stored in _____ memory location
9. The default parameter passing mechanism is _____
10. Size of a _____ is determined by size of the biggest member in the union.
11. EOF is an integer type defined in stdio.h and has a value _____
12. The mode argument used to truncate a file is _____

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Answer Key for MCQ

1. b
2. d
3. b
4. d
5. d
6. b
7. a
8. a
9. b
10. b
11. c
12. a
13. c
14. c
15. a
16. a
17. c
18. b
19. a
20. c

Answer key for fill in the blanks

1. 32
2. functions
3. increment
4. int
5. \
6. break statement
7. memory
8. sequential
9. call by value
10. union
11. -1
12. w