



# BRAINWARE UNIVERSITY

**Term End Examination 2021 - 22**

**Programme – Bachelor of Technology in Computer Science & Engineering**

**Course Name – Programming for Problem Solving**

**Course Code - ESC(CSE)201**

**( Semester II )**

**Time allotted : 1 Hrs.15 Min.**

**Full Marks : 60**

[The figure in the margin indicates full marks.]

## Group-A

(Multiple Choice Type Question)

1 x 60=60

*Choose the correct alternative from the following :*

- (1) What is the size of data type int in byte/s (16 bit compiler)?
 

a) 1	b) 2
c) 3	d) 4
- (2) What is the size of data type double in bytes?
 

a) 2	b) 4
c) 6	d) 8
- (3) Which of the following is a primary memory?
 

a) RAM	b) Hard Disk
c) Pendrive	d) CD
- (4) ASCII value of d is
 

a) 68	b) 69
c) 99	d) 100
- (5) Which of the following is assignment operator?
 

a) +	b) =
c) >	d) ? :
- (6) Which of the following is conditional operator?
 

a) +	b) =
c) >	d) ? :
- (7) Which of the following is logical operator?
 

a) &	b) &&
c) >>	d) <<
- (8) Which of the following is not correct?
 

a) int name;	b) int Name;
c) int name123;	d) int 123name;
- (9) Priority of operators defines -
 

a) which operator will evaluated first	b) which operator will evaluated last
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- c) which operator will not be evaluated at all  
d) None of these
- (10) Which of the following is a way of associativity in C?  
a) top to bottom  
b) left to right  
c) bottom to top  
d) All of these
- (11) Which of the following has lowest precedence?  
a) ++  
b) +  
c) %  
d) ||
- (12) C language was developed by -  
a) Dennis Ritchie  
b) James Gosling  
c) Bill Gates  
d) Patrick Naughton
- (13) stdio in header file stands for  
a) standard input output  
b) standard image output  
c) standard input out  
d) standard in out
- (14) Which of the following is/are keyword in C?  
a) for  
b) if  
c) Both for & if  
d) loop
- (15) Expression  $x+=5$  means  
a)  $x=x+x$   
b)  $x=x+5$   
c)  $x+5$   
d)  $x+5=x$
- (16) / operator can be applied to  
a) integer values only  
b) float values only  
c) double values only  
d) All of these
- (17) && is ..... operator.  
a) bit wise  
b) relational  
c) logical  
d) None of these
- (18)  $x++$  is ..... operator.  
a) pre increment  
b) post increment  
c) pre decrement  
d) post decrement
- (19)  $t--$  is ..... operator.  
a) pre increment  
b) post increment  
c) pre decrement  
d) post decrement
- (20) How many operand/s is/are required for using modulo operator?  
a) 1  
b) 2  
c) 3  
d) 4
- (21) Which of the following is an example of post increment?  
a)  $w++$   
b)  $++w$   
c)  $w--$   
d)  $--w$
- (22) Which of the following is an example of post decrement?  
a)  $w++$   
b)  $++w$   
c)  $w--$   
d)  $--w$
- (23) Which of the following is used for single line comment?  
a) /  
b) //  
c) \  
d) \\
- (24) Correct way to assign char value is (say char x;)  
a)  $x="c";$   
b)  $x='c';$   
c)  $x=c;$   
d) None of these
- (25) Which of the following is used for giving new line in C?

- a) \m  
c) \n
- (26) Array index starts from  
a) 0  
c) 2
- (27) Number of elements with declaration `int arr[2][6]` are  
a) 2  
c) 8
- (28) 2D array is also called as  
a) matrix  
c) Both matrix & vector
- (29) String in C is considered as  
a) array of int  
c) array of character
- (30) Character constant is declared within  
a) ''  
c) [ ]
- (31) `strcpy()` function used in string for  
a) copy string  
c) delete string
- (32) `strcat()` function used in string for  
a) copy string  
c) delete string
- (33) `strrev()` function used in string for  
a) reverse string  
c) finding length
- (34) Which of the following is unconditional control structure?  
a) if-else  
c) do-while
- (35) `continue` keyword cannot be used with/in  
a) for loop  
c) while loop
- (36) Which of the following best defines the use of `continue` keyword?  
a) Terminate the loop  
c) Terminate the current iteration and move to next iteration
- (37) Which of the following best defines the use of `break` keyword?  
a) End the loop when encountered  
c) Terminate the program
- (38) The total size of an array with declaration `"int arr[10]"` in 16-bit compiler is  
a) 10  
c) 30
- (39) Which of the following data type is not allowed as expression for switch-case?  
a) int  
c) float
- b) \b  
d) \d
- b) 1  
d) 3
- b) 6  
d) 12
- b) vector  
d) None of these
- b) array of float  
d) All of these
- b) " "  
d) < >
- b) adding strings  
d) concat strings
- b) comparing strings  
d) append strings
- b) comparing strings  
d) append strings
- b) else-if  
d) goto
- b) switch-case  
d) do-while loop
- b) Terminate the program  
d) Restart iteration from the very first iteration
- b) Skip the current iteration and move to next iteration  
d) All of these
- b) 20  
d) 40
- b) char  
d) All of these
- (40) Which operator is generally responsible for making conditional statement in loops?

- a) Relational  
c) Bitwise
- b) Assignment  
d) Ternary
- (41) The scope of if statement is (without any braces)
- a) first statement after if  
c) second statement after if
- b) all the statements after if  
d) first two statements after if
- (42) Find the value of Y if X=6? (Y=X>7?1:0)
- a) 0  
c) 6
- b) 1  
d) 7
- (43) Which of the following is used to read a character?
- a) puts()  
c) getchar()
- b) gets()  
d) putchar()
- (44) How many value/s a function returns in call by value?
- a) 1  
c) 3
- b) 2  
d) Many
- (45) Formal arguments are the arguments of
- a) Calling function  
c) Both called & calling function
- b) Called function  
d) None of these
- (46) Function declared without body after the header file to avoid warning or error is called as
- a) Argument  
c) Prototype
- b) Parameter  
d) None of these
- (47) In call by value, the following is/are necessary -
- a) Function  
c) Both function & pointer
- b) Pointer  
d) None of these
- (48) A structure is a ..... data structure.
- a) homogeneous  
c) continuous
- b) heterogenous  
d) None of these
- (49) Pointer is necessary to explain the concept of
- a) Call by value  
c) Loop
- b) Call by reference  
d) Function
- (50) \* used to represent pointer in C is also called
- a) Direction operator  
c) Indirection operator
- b) Star operator  
d) Multiply operator
- (51) Which of the following keyword is used to define a structure?
- a) struct  
c) structure
- b) strc  
d) STRUCTURE
- (52) Which of the following operator is used to access elements of a structure (without pointer)?
- a) dot  
c) direction
- b) arrow  
d) indirection
- (53) Choose the correct statement for the declaration - int \*ptr, p;
- a) ptr is a pointer variable, p is a normal variable  
c) both ptr and p are pointer variables
- b) both ptr and p are normal variables  
d) ptr is a normal variable, p is a pointer variable
- (54) r mode in file used for
- a) reading only  
c) both reading and writing
- b) writing only  
d) editing
- (55) a mode in file used for
- a) reading only  
c) both reading and writing
- b) writing only  
d) appending

(56) Library functions for handling files are included in

- a) stream.h
- c) conio.h

- b) stdlib.h
- d) files.h

(57) exit() function is declared in

- a) stdlib.h
- c) stdio.h

- b) conio.h
- d) files.h

(58) How many types of storage class are there in C?

- a) 1
- c) 3

- b) 2
- d) 4

(59) Way of arranging data elements in a specific order is called

- a) searching
- c) inserting

- b) sorting
- d) traversing

(60)

What is the output of the following code?

```
#include<stdio.h>
void main(){
if(5);
printf("right");
}
```

- a) compilation error
- c) right

- b) no error no output
- d) 5