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## BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Bachelor of Technology in Computer Science & Engineering - Artificial Intelligence & Machine Learning

Course Name – Programming for Problem solving

Course Code - ESCM201

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

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

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

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(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

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