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Brainware University
Baranasi, Kottam - 700125

BRAINWARE UNIVERSITY

Term End Examination 2021 - 22

Programme – Bachelor of Technology in Computer Science & Engineering- Data Science

Course Name – Programming for Problem solving

Course Code - ESCD201

(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
- b) which operator will evaluated last
 d) None of these
- (10) Which of the following is a way of associativity in C?
 a) top to bottom
 c) bottom to top
 b) left to right
 d) All of these
- (11) Which of the following has lowest precedence?
 a) ++
 c) %
 b) +
 d) ||
- (12) C language was developed by -
 a) Dennis Ritchie
 c) Bill Gates
 b) James Gosling
 d) Patrick Naughton
- (13) stdio in header file stands for
 a) standard input output
 c) standard input out
 b) standard image output
 d) standard in out
- (14) Which of the following is/are keyword in C?
 a) for
 c) Both for & if
 b) if
 d) loop
- (15) Expression $x+=5$ means
 a) $x=x+x$
 c) $x+5$
 b) $x=x+5$
 d) $x+5=x$
- (16) / operator can be applied to
 a) integer values only
 c) double values only
 b) float values only
 d) All of these
- (17) && is operator.
 a) bit wise
 c) logical
 b) relational
 d) None of these
- (18) $x++$ is operator.
 a) pre increment
 c) pre decrement
 b) post increment
 d) post decrement
- (19) $t--$ is operator.
 a) pre increment
 c) pre decrement
 b) post increment
 d) post decrement
- (20) How many operand/s is/are required for using modulo operator?
 a) 1
 c) 3
 b) 2
 d) 4
- (21) Which of the following is an example of post increment?
 a) $w++$
 c) $w--$
 b) $++w$
 d) $--w$
- (22) Which of the following is an example of post decrement?
 a) $w++$
 c) $w--$
 b) $++w$
 d) $--w$
- (23) Which of the following is used for single line comment?
 a) /
 c) \
 b) //
 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` 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
 - b) writing only
 - c) both reading and writing
 - d) appending

- (56) Library functions for handling files are included in
- a) stream.h
 - b) stdlib.h
 - c) conio.h
 - d) files.h

- (57) exit() function is declared in
- a) stdlib.h
 - b) conio.h
 - c) stdio.h
 - d) files.h

- (58) How many types of storage class are there in C?
- a) 1
 - b) 2
 - c) 3
 - d) 4

- (59) Way of arranging data elements in a specific order is called
- a) searching
 - b) sorting
 - c) inserting
 - d) traversing

(60) What is the output of the following code?

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

- a) compilation error
- b) no error no output
- c) right
- d) 5