BRAINWARE UNIVERSITY

Term End Examination 2021 - 22
Programme – Diploma in Computer Science & Engineering
Course Name – Computer Fundamentals
Course Code - DCSE106
(Semester I)

Time : 1 Hr.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) Which unit is responsible for taking input from user?
  a) Memory Unit
                            b) Arithmetic & Logic Unit
  c) Input Unit
                            d) Output Unit

(2) The value of radix in binary number system is
  a) 2
                            b) 8
  c) 10
                            d) 1

(3) Select the operating system
  a) Windows
                            b) Linux
  c) Mac
                            d) All of these

(4) Operating system
  a) interact between software and hardware
                            b) interact between CPU and memory
  c) interact between input unit and output unit
                            d) all of these

(5) Which operator has the lowest priority?
  a) ++
                            b) +
  c) %
                            d) =

(6) Format specifier for character -
  a) %c
                            b) %char
  c) %d
                            d) %f

(7) ASCII value of '\0' used in string is
  a) 0
                            b) 48
  c) 2
                            d) 65

(8) Which of the following is not keyword of 'C' ?
  a) float
                            b) main

c) int

d) function

(9) Which of the following operator has high precedence?

a) --

b) %

c) +

d) -

(10) Which of the following is not a relational operator?

a) >>

b) !=

c) >=

d) <

(11) C is a …… language

a) High level

b) Low level

c) Assembly level

d) Machine level

(12) The number of the relational operators in the C language is

a) 4

b) 6

c) 3

d) 1

(13) Which operator in C is called a conditional operator

a) if..then

b) ++

c) ? :

d) ()

(14) An ampersand before the name of a variable denotes

a) Actual Value

b) Address

c) Variable Name

d) Data type

(15) if a=5, a++ will be

a) 6

b) 7

c) 3

d) 4

(16) The printf() function is

a) library function

b) user defined function

c) both library function and user defined function

d) None of these

(17) P+++ mean

a) P=P+1

b) P=P+2

c) P=P-1

d) Not a valid statement

(18) Which of the following operator has the highest precedence?

a) *

b) = =

c) +

d) ()

(19) Operators have hierarchy. It is used to know which operator

a) is most important

b) is used first

c) is faster

d) operates on large numbers

(20) The equality operator is represented by

a) :=

b) .EQ.

c) =

d) ==

(21) The operator & is used for

a) Bitwise AND

b) Bitwise OR

c) Logical AND

d) Logical OR

(22) The operator && is an example for ___ operator.

a) Assignment

b) Increment

c) Logical

d) Relational

(23) Which of the following is an example of compounded assignment statement?

a) a = 5

b) a += 5

c) a = b = c

d) a = b

(24) A declaration char a; occupies ____ of memory

a) 1 byte

b) 8 bytes

c) 16 bytes

d) 4 bytes

(25) Base of hexadecimal number system is

a) 2

b) 4

c) 8

d) 16

(26) Which symbol is used as a statement terminator in C?

a) ,

b) ;

c) /n

d) /t

(27) Which is used for single line comment in C?

a) /* */

b) //

c) /

d) %

(28) Arithmetic operator division (/) requires _____ operands.

a) 1

b) 2

c) 3

d) 0

(29) Which among the following is assignment operator?

a) +

b) =

c) ==

d) !=

(30) + operator is

a) unary operator

b) binary operator

c) ternary operator

d) none of these

(31) sizeof operator is used

a) To find size of variable or data type

b) To assign values

c) To increment the value

d) To decrement the value

(32) The code ' for (;x=1 ;); ' represents an .... loop.

a) infinite

b) finite

c) cannot determine

d) not a loop

(33) What will be the output of the following C code? #include int main(){ while() printf("in while loop,"); printf("out while loop"); }

a) in while loop, out while loop

b) infinite loop

c) out while loop

d) compile time error

(34) Which is/are an example of iteration in C?

a) for

b) while

c) do-while

d) all of these

(35) Condition associated with an if statement is generally built using

a) Relational operators

b) Ternary operators

c) Bit wise operators

d) Increment operators

(36) The default scope of if statement is (without braces)

a) Only the next statement

b) First two statements

c) All statements after if condition

d) No statements

(37) else block ……. associated with if block.

a) always   b) Not always

c) Depend on else condition   d) None of these

(38) What is the output of the following: if(5); printf("You entered 5");

a) You entered 5   b) No output

c) Compile time error   d) Run time error

(39) What is the output of the following: int i=5; if(i==5); printf("You are right"); else printf ("You are wrong");

a) You are right   b) You are wrong

c) Compile time error   d) No output

(40) What is the value of Y if a=10 & b=12: Y=(a!=6 && b>5);

a) 1   b) 0

c) -1   d) 2

(41) What is the value of Y if a=10: Y= !(a<10);

a) 2   b) 0

c) 1   d) -1

(42) Which function is used to read character?

a) getchar()   b) gets()

c) putchar()   d) puts()

(43) Default return type of main() function is

a) Void   b) float

c) int   d) char

(44) return statement in function return the control to

a) Calling function   b) same function

c) Re-called function   d) Called function

(45) ASCII value of A is

a) 65   b) 66

c) 97   d) 98

(46) Function declared (without body) after the header file to avoid run time error is called

a) argument   b) prototype

c) parameter   d) None of these

(47) Code defined in the term of itself is a concept of

a) function   b) loop

c) recursion   d) iteration

(48) In call by reference, which is/are required?

a) function   b) pointer

c) both function and pointer   d) None of these

(49) Arguments that take input by user during run time are called

a) Main functions arguments   b) Main arguments

c) Command line arguments   d) Parameterized arguments

(50) Which keyword can be used for coming out of recursion?

a) break   b) return

c) exit   d) Both break and return

(51) What is the output of this code void main( ){ char name[ ] = "brainware"; char city[ ] ="barasat"; strcat(name,city); printf("%d",strlen(name)); }

a) 16

c) 15

b) 9

d) 17

(52) An array is

a) Homogeneous

c) Contiguous

b) Heterogeneous

d) both Homogeneous and Contiguous

(53) Elements of character array are stored in

a) contiguous memory allocation

c) Index memory allocation

b) Non- contiguous memory allocation

d) All of these

(54) The binary of 22 is

a) 10110

c) 11110

b) 10111

d) 10001

(55) Decimal of 1001 is

a) 8

c) 4

b) 9

d) 5

(56) Find out : which line number give an error ? Line 1: void main ( ) Line 2: { Line 3: prin t("\n Hello World") Line 4: }

a) Line 1

c) Line 3

b) Line 2

d) Line 4

(57) Invalid variable name in C -

a) Students

c) students_123

b) students123

d) 123_students

(58) Which among the following is unconditional control structure?

a) do-while

c) goto

b) if –else

d) for

(59) Array subscripts in C always start at

a) 0

c) -1

b) 1

d) None of these

(60) The continue command cannot be used with

a) for

c) do-while

b) switch

d) while