

BRAINWARE UNIVERSITY

Term End Examination 2021 - 22 Programme – Master of Science in Mathematics Course Name – Computer Programming Course Code - MSCM(CS)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 float in byte/s? a) 1 b) 2 c) 3 d) 4 (2) Which of the following specifier is used for float? a) %d b) %f c) %c d) %a (3) Which of the following is a primary memory? a) RAM b) Hard Disk c) Pendrive d) CD (4) Arithmetic Logic Unit is a part of a) Memory b) Central Processing Unit c) Input device d) Output device (5) ASCII value of Y is a) 122 b) 121 c) 90 d) 89 (6) Which of the following is ternary operator? a) +b) =c) >d)?: (7) Which of the following is assignment operator?

a) +c) >

(8) Which of the following is binary operator?

b) =

d)?:

| a) + | b) - |
|---|---------------------------------------|
| c) * | d) All of these |
| (9) Which of the following is logical operator? | |
| a) & | b) && |
| c) >> | d) << |
| (10) Which of the following is not correct? | |
| a) int name; | b) int Name; |
| c) int name123; | d) int 123name; |
| (11) Priority of operators defines - | |
| a) which operator will evaluated first | b) which operator will evaluated last |
| c) which operator will not evaluated at all | d) None of these |
| (12) 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 |
| (13) Which of the following has lowest precedence? | |
| a) ++ | b) + |
| c) % | d) |
| (14) C is a language. | |
| a) low level | b) high level |
| c) machine level | d) assembly |
| (15) stdio in header file stands for | |
| a) standard input output | b) standard image output |
| c) standard input out | d) standard in out |
| (16) Which of the following is not a keyword in C? | |
| a) int | b) float |
| c) main | d) function |
| (17) An ampersand (&) used before a variable denote | es |
| a) name | b) data type |
| c) value | d) address |
| (18) Expression $x=5$ means | |
| a) x=x+x | b) x=x+5 |
| c) x+5 | d) $x+5=x$ |
| (19) % operator can be applied to | |
| a) integer values only | b) float values only |
| c) double values only | d) All of these |
| (20) & is operator. | |
| a) relational | b) bit wise |
| c) logical | d) None of these |
| (21) ++x is operator. | |
| a) pre increment | b) post increment |
| c) pre decrement | d) post decrement |
| (22) t is operator. | |

| a) pre increment c) pre decrement d) post increment d) post decrement (23) How many operand/s is/are required for using modulo operator? a) 1 b) 2 c) 3 d) 4 (24) How many operand/s is/are required for using bitwise right shift operator? a) 1 b) 2 c) 3 d) 4 (25) Which of the following is an example of post increment? a) w++ b) ++w c) w- d)w (26) Which of the following is used for single line comment? a) // c) \do d) \do (27) Which of the following is used for single line comment? a) // c) \do d) \do (27) Which of the following is used for multi line comment? a) // c) \do d) \do (27) Which of the following is invalid declaration? a) // c) \do d) \do (28) Which of the following is invalid declaration? a) 'c' c) "course" d) 'course' (29) Array index starts from a) 0 c) 2 d) 3 (30) Total number of elements in 2D array is calculated as a) row+column c) row-column d) row/column (31) Array is a) heterogeneous & homogeneous c) Both heterogeneous & homogeneous d) None of these (32) Elements of an array stored in a) contiguous manner c) random manner d) All of these (33) String in C is considered as a) array of int c) array of character d) All of these (34) Character constant is declared within a) '' c) [1 d) <> | | |
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| (29) Array index starts from a) 0 | a) 'c' | b) "c" |
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| a) array of int c) array of character d) All of these (34) Character constant is declared within a) '' c) [] d) <> (35) strcpy() function used in string for a) copy string b) adding strings c) delete string d) concat strings | c) random manner | d) All of these |
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| a) '' c) [] d) <> (35) strcpy() function used in string for a) copy string b) adding strings c) delete string d) concat strings | | , |
| c) [] d) <> (35) strcpy() function used in string for a) copy string b) adding strings c) delete string d) concat strings | | b) " " |
| (35) strcpy() function used in string for a) copy string b) adding strings c) delete string d) concat strings | | <i>'</i> |
| a) copy string b) adding strings c) delete string d) concat strings | | , |
| c) delete string d) concat strings | | b) adding strings |
| | , 1 | , , |
| (50) suchip() function used in sum 2 for | (36) strcmp() function used in string for | , |

| a) copy string | b) comparing strings |
|---|--|
| c) delete string | d) concat strings |
| (37) strlen() function used in string for | |
| a) copy string | b) comparing strings |
| c) finding length | d) append strings |
| (38) Which of the following is exit controlled loop? | ? |
| a) while | b) for |
| c) do-while | d) All of these |
| (39) Which of the following is unconditional control | ol structure? |
| a) if-else | b) else-if |
| c) do-while | d) goto |
| (40) continue keyword cannot be used with/in | |
| a) for loop | b) switch-case |
| c) while loop | d) do-while loop |
| (41) break keyword can be used with/in | |
| a) for loop | b) while loop |
| c) do-while loop | d) All of these |
| (42) 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 |
| (43) 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 |
| (44) Size of a 1D array (in bytes) is calculated as | |
| a) Size of data type | b) Size of data type * size of an array |
| c) Number of elements | d) Size of data type + size of an array |
| (45) Which of the following data type is not allowe | d as expression for switch-case? |
| a) int | b) char |
| c) float | d) All of these |
| (46) Which of the following is best suited for execution? | ating statements first then cheking |
| a) do-while loop | b) for loop |
| c) while loop | d) None of these |
| (47) else block is associated with if block. | |
| a) sometimes | b) always |
| c) not always | d) depends |
| (48) The scope of if statement is (without any brace | es) |
| a) first statement after if | b) all the statements after if |
| c) second statement after if | d) first two statements after if |
| (49) What is the output of the following code? #inc } | <pre>lude void main(){ if(5); printf("right");</pre> |

| a) compilation error | b) no error but no output |
|--|--|
| c) right | d) 5 |
| (50) What is the output of the following cod else printf("wrong"); } | e? #include void main() { if(5) printf("right"); |
| a) compilation error | b) right |
| c) 5 | d) wrong |
| (51) Find the value of Y if $X=5$? ($Y=X>3$?1 | :0) |
| a) 0 | b) 1 |
| c) 3 | d) 5 |
| (52) What is the output of the following cod printf("%c",ch); } | e? #include void main(){ char ch='A'; |
| a) a | b) A |
| c) 65 | d) 97 |
| (53) What is the output of the following cod printf("%d",x); } | e? #include void main(){ int x=5; x+=2; |
| a) 7 | b) 5 |
| c) 3 | d) 2 |
| (54) What is the output of the following cod printf("%d%d",x,y); } | e? #include void main(){ int x=2,y; y=x++; |
| a) 32 | b) 23 |
| c) 33 | d) 22 |
| (55) ASCII value of '\0' used in string is | |
| a) 3 | b) 2 |
| c) 1 | d) 0 |
| (56) MATLAB stands for? | |
| a) matrix laboratory | b) Matrix Laboratory |
| c) MATrix LABoratory | d) None of these |
| (57) Which command is used to clear a com | mand window? |
| a) Clear | b) close all |
| c) ele | d) clear all |
| (58) What are the characters in MATLAB ar | re represented in their value in memory? |
| a) Decimal | b) ASCII |
| c) Hex | d) String |
| (59) What does MATLAB consist of? | |
| a) MATLAB Language | b) MATLAB working environment |
| c) Handle Graphics | d) All of the above |
| (60) What are the types of loops does MATI | AB provides? |
| a) While loop | b) For loop |
| c) Not Supported | d) Both a and b |