**Global Group of Institutions  
Demo Question Paper – Set – III**

**Subject - Programming for Problem Solving**

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| **Group – A** | | **30 x 1 = 30** | |
| **Sl. No.** | **Questions Lists** | | **Correct Option** |
| 1. | \_\_\_\_\_ is a picture in which the flows of computational paths are depicted.  (A) Algorithm  (B) Program  (C) Code  (D) Flow chart | | **D** |
| 2. | Among unary operation which operator represents increment?  (A) --  (B) ++  (C) -  (D) ! | | **B** |
| 3. | The function scanf is used to \_\_\_  (A) To take logical decisions  (B) Input a set of values  (C) Print a set of values  (D) Do mathematical manipulations | | **B** |
| 4. | Who is known as the father of C Language?  A. James A. Gosling B. Vjarne Stroustrup  C. Dennis Ritchie D. Dr. E. F. Codd | | **C** |
| 5. | C Language was developed in the year \_\_\_\_  A. 1970 B. 1975 C. 1980 D. 1985 | | **A** |
| 6. | Which one is not a reserve keyword in C Language?  A. auto B. main C. case D. register | | **B** |
| 7. | A C variable name can start with a \_\_\_\_  A. Number B. Plus Sign (+) C. Underscore D. Asterisk (\*) | | **C** |
| 8. | Prototype of a function means \_\_\_\_\_  A. Name of Function B. Output of Function  C. Declaration of Function D. Input of a Function | | **C** |
| 9. | Name the loop that executes at least once.  A. For B. If C. do-while D. while | | **C** |
| 10. | Far pointer can access \_\_\_\_\_  A. Single memory location B. No memory location  C. All memory location D. First and Last Memory Address | | **C** |
| 11. | A pointer pointing to a memory location of the variable even after deletion of the variable is known as \_\_\_\_\_  A. far pointer B. dangling pointer  C. null pointer D. void pointer | | **B** |

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| 12. | An uninitialized pointer in C is called \_\_\_  A. Constructor B. dangling pointer C. Wild Pointer D. Destructor | **C** |
| 13. | A pointer that is pointing to NOTHING is called \_\_\_\_  A. VOID Pointer B. DANGLING Pointer  C. NULL Pointer D. WILD Pointer | **C** |
| 14. | Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1?  A. rem = 3.14 % 2.1;  B. rem = modf(3.14, 2.1);  C. rem = fmod(3.14, 2.1);  D. Remainder cannot be obtain in floating point division. | **C** |
| 15. | How many loops are there in C?   1. 2 B. 3 C. 1 4. 4 | **B** |
| 16. | A name having a few letters, numbers and special character \_(underscore) is called -  A. keywords B. reserved keywords  C. tokens D. identifiers | **D** |
| 17. | The words if, else, auto, float etc. have predefined meaning and users cannot use them as variables. These words are called  A. constant B. identifier  C. data types D. keywords | **D** |
| 18. | How many times TESTVALUE is printed?  int main ()  {  int a = 0;  while(a++);  {  printf("TESTVALUE");  }  return 0;  }  A. 0 time B. 1 time C. Compilation Error D. Infinite times | **B** |
| 19. | What are the types of linkages?  A. Internal and External B. External, Internal and None  C. External and None D. Internal | **B** |
| 20. | Which is/are the integer constant/constants?  A. Decimal integer constant  B. Octal integer constant  C. Hexadecimal integer constant  D. All of the above | **D** |
| 21. | What is/are the type/types of numeric constant/constants used in c programming language?  A. Integer constant  B. Real constant  C. Both [A] & [B]  D. None of the above | **C** |

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| 22. | Which of the following is syntactically correct?  (a) for(); (b) for(;); (c) for(,); (d) for(;;); | **D** |
| 23. | Which of following is correct array declaration  A) int num(25); B) int array num[25]; C) int num[25]; D) num[25]; | **C** |
| 24. | Which of the following initialization is wrong -  (a) x[5]=15 (b) x[10.3]=30 (c) x[0]=20 (d) None | **B** |
| 25. | A function can be called in a program  A. Only two times B. Only once  C. Any number of times D. Only three times | **C** |
| 26. | The function sqrt( ) is part of header file.  A. conio.h B. stdio.h C. math.h D. iostream.h | **C** |
| 27. | A function can return only\_\_\_ value  A. Zero B. One C. two D. three | **B** |
| 28. | The function strcat(S2, S1) appends \_\_\_\_ to \_\_\_\_\_  (a) S1,S2 (b) S2,S1 (c) S2,S2 (d) S1,S1 | **A** |
| 29. | Which of the following header file is required for performing string operations-?  (a) stdio.h (b) conio.h (c) string.h (d) ctype.h | **C** |
| 30. | If the two strings are identical, then strcmp() returns \_\_\_\_  (a) -1 (b) 1 (c) 0 (d) yes | **C** |

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| **Group – B** | | **20 x 2 = 40** | |
| **Sl. No.** | **Questions Lists** | | **Correct Option** |
| 1. | The format specifier that is used to read or write a character is \_\_\_\_\_  (a) %f (b) %d (c) %c (d) %s | | **C** |
| 2. | If no precision is specified for floating point number, then printf () prints \_\_\_\_\_ decimal positions.  (a) Two (b)Four (c) Six (d) Zero | | **C** |
| 3. | ~(100111) gives \_\_\_\_\_\_  (a) 010010 (b) 011000 (c) 010100 (d) 111001 | | **B** |
| 4. | Based on the precedence levels and associativity the 8+4\*5+6/2 expression yields  (a) 43 (b) 34 (c) 31 (d) 41 | | **C** |
| 5. | The expression ++a referred as  (a) Pre increment (b) Post increment  (c) Before increment (d) After increment | | **A** |
| 6. | Which one of the following is having least precedence?  (a) ++ (b) && (c) ( ) (d) , | | **D** |
| 7. | sizeof() operator returns the size of an operand in \_\_\_\_\_  (A) Bits (B) Nibble (C) Bytes (D) None | | **C** |
| 8. | The while loop is terminated when the conditional expression returns  (a) 1 (b) 2 (c) 3 (d) Zero | | **D** |
| 9. | The statement used to send back any value to the calling function is  (a) break (b) continue (c) exit (d) return | | **D** |

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| 10. | Which among the following is not checked in switch case?  (a) character (b) integer (c) float (d) None | **C** |
| 11. | for(;;) can be terminated by  (a) break (b) exit(0) (c) return (d) All the above | **D** |
| 12. | Array is an example of which of the following?  (a) Derived types (b) Fundamental types  (c) User-defined types (d) None | **A** |
| 13. | Which of the following is syntactically correct?  (a) for(); (b) for(;); (c) for(,); (d) for(;;); | **D** |
| 14. | What happens if we initialize an array as int group[20]={0};  (a) Produce an error  (b) Only 0 th element is initialized with zero  (c) Every element is initialized with zero  (d) None | **C** |
| 15. | To store a table of values which of the following is used -  (a) One dimensional array (b) Two dimensional array  (c) Three dimensional array (d) None | **B** |
| 16. | A function can be called in a program  A. Only two times B. Only once  C. Any number of times D. Only three times | **C** |
| 17. | The operator used to get value at address stored in a pointer variable is  (a)\* (b) & (c) && (d) || | **A** |
| 18. | Which of the following statements correct about k used in the below statement?  **char \*\*\*\*k;**  (a) k is a pointer to a pointer to a pointer to a char  (b) k is a pointer to a pointer to a pointer to a pointer to a char  (c) k is a pointer to a char pointer  (d) k is a pointer to a pointer to a char | **B** |
| 19. | Which of the following is used to read a string -  (a) getchar() (b) gets() (c) getstr() (d) getch() | **B** |
| 20. | How many arguments that the strcmp() function can take?  (a) 2 (b) 3 (c) 4 (d) 0 | **A** |

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