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

**Subject - Programming for Problem Solving**

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| **Group – A** | | **30 x 1 = 30** | |
| **Sl. No.** | **Questions Lists** | | **Correct Option** |
| 1. | Which of the following is the correct way of using type casting  (A) c=(int)a/b; (B) c=a(int)/b; (C) c=int a/b; (D) None | | **A** |
| 2. | sizeof() operator returns the size of an operand in \_\_\_\_\_  (A) Bits (B) Nibble (C) Bytes (D) None | | **C** |
| 3. | The assignment statement ―sum=sum+i;‖ is equivalent to  (A) sum=+i; (B) sum+=i; (C) sum= =sum+i; (D) None | | **B** |
| 4. | The escape sequence character \_\_causes the cursor to move to the next line on the screen -  (a) \t (b) \n (c) \r (d) \v | | **B** |
| 5. | Character constants are enclosed in   1. ‘ ‘ (b) “ ” (c) ( ) (d) [ ] | | **A** |
| 6. | String constants are enclosed in –   1. ‘ ‘ (b) “ ” (c) ( ) (d) [ ] | | **B** |
| 7. | \_\_\_\_\_\_ is used to terminate from the entire program  (a) return (b) break (c) exit (d) goto | | **C** |
| 8. | What is the output of the following code  main()  {  int a= 0,b = 20;  char x =1,y =10;  if(a,b,x,y)  printf("hello");  }  (a) Syntax error (b) hello (c) 10 (d) None | | **B** |
| 9. | Which of the following is syntactically correct?  (a) for(); (b) for(;); (c) for(,); (d) for(;;); | | **D** |
| 10. | How many bytes the array price occupies. float price[10];  (a) 10 bytes (b) 4 bytes (c) 40 bytes (d) 20 bytes | | **C** |
| 11. | How many times the following C code prints ―Hello‖  int main()  {  do  {  printf("Hello ");  }while(0);  }  (a) One (b) zero (c) Infinite (d) Produce error | | **A** |
| 12. | How many times the following C code prints ―Hello‖  int main()  {  while (1)  printf("Hello ");  }  (a) One (b) zero (c) Infinite (d) Produce error | | **C** |
| 13. | Determine output:  main()  {  int i=abc(10);  printf(―%d‖,--i);  }  int abc(int i)  { return(i++); }  (a) 10 (b) 9 (c) 11 (d) None | | **B** |
| 14. | Call by reference is also known as --  (a) Call by address or Call by location (b) Call by address or Call by value  (c) Call by value or Call by name (d) None | | **A** |
| 15. | Any C program \_\_\_\_  (a) Must contain at least one function (b) need not contain any function  (c) Needs input data (d) None | | **A** |
| 16. | The default parameter passing mechanism is  (a) Call by value (b) Call by reference (c) Call by name (d) None | | **A** |
| 17. | Maximum number of arguments can be passed to a function are  A. 2 B. 3 C. 4 D. Any | | **D** |
| 18. | Based on arguments and return types, functions are classified into  A. 1 type B. 2 types C. 3 types D. 4 types | | **D** |
| 19. | What is the output of the following code  main()  {  char str1[ ]=‖mahendra singh, str2[ ]=‖dhoni captain‖;  strncat(str1,str2,5);  printf(“\n %s”,str1);  }  (a) mahendra singhdhoni (b) mahendra singhdhoni captain  (c) mahendra singh (d) None | | **A** |
| 20. | Which function locates the first occurrence of the character in a given string -  (a) strstr() (b) strchr() (c) strrchr() (d) strrstr() | | **B** |
| 21. | String concatenation means  (a) Combining two strings (b) Extracting a substring out of a string  (c) Comparing two strings (d) partitioning the string into two strings | | **A** |
| 22. | What will be the output of the program?  void main()  {  char str[ ] = "online\0exam”;  printf(“%s”,str);  }  (a) online\0exam (b) online (c) onlineexam (d) exam | | **B** |
| 23. | What will be the output of the program?  void main()  {  char str1[20] = "Hello", str2[20] = " World";  printf("%sn", strcpy(str2, strcat(str1, str2)));  }  (a) HelloWorld (b) World (c) WorldHello (d) Hello | | **A** |
| 24. | Which of the following is true for definition of a structure \_\_\_\_\_\_\_\_\_\_\_\_  A) Items of the same data type  B) Items of the different data type  C)Integers with user defined names  D) List of Strings | | **B** |
| 25. | The keyword used to define a structure is \_\_\_\_\_\_\_\_\_\_\_\_  A) stru B) struct C) structure D) STRUC | | **B** |
| 26. | argv[0] points to  A) Program name B) First argument C) Both D) None | | **A** |
| 27. | If the function fopen() fails, it returns \_\_\_\_\_\_\_\_\_  A) -1 B) 1 C) NULL D) Address | | **C** |
| 28. | The function used for writing a character to a file is \_\_\_\_\_\_\_\_\_  A) putc() B) fputs() C) fputchar() D) putw() | | **A** |
| 29. | The function used for reading a formatted input data from a file is \_\_\_\_  A) getchar() B) fscanf() C) fgetc() D)fgets() | | **B** |
| 30. | In C, file processing function fseek() \_\_\_\_\_\_\_\_\_\_\_  A) needs 2 arguments B)makes rewind function unnecessary  C)takes 3 arguments D)none of the above | | **C** |

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| **Group – B** | | **20 x 2 = 40** | |
| **Sl. No.** | **Questions Lists** | | **Correct Option** |
| 1. | The range of “unsigned int” data type is\_\_\_\_  (a) -32768 to 32767 (b) 0 to 65535 (c) -65536 to 65535 (d) -128 to 127 | | **B** |
| 2. | The size of “long double”‖ data type in 16-bit machine is \_\_\_\_\_  (a) 8 bytes (b) 10 bytes (c) 2 bytes (d) 4bytes | | **B** |
| 3. | The range of “char” data type is \_\_\_\_  (a) -128 to 127 (b) 0 to 255 (c) -32768 to 32767 (d) None | | **A** |
| 4. | The format specifier that is used to read or write a character is \_\_\_\_\_  (a) %f (b) %d (c) %c (d) %s | | **C** |
| 5. | If no precision is specified for floating point number then printf() prints \_\_\_\_\_ decimal positions.  (a) Two (b)Four (c) Six (d) Zero | | **C** |
| 6. | What is the result of 8 | 4 ?  (a) 0 (b) 1 (c) 4 (d) 12 | | **D** |
| 7. | Which one of the following is having highest precedence  (a) ++ (b) && (c) ( ) (d) , | | **C** |
| 8. | Which one of the following is having least precedence  (a) ++ (b) && (c) ( ) (d) , | | **D** |
| 9. | The while loop is terminated when the conditional expression returns  (a) 1 (b) 2 (c) 3 (d) Zero | | **D** |
| 10. | C provides \_\_\_\_\_\_\_\_\_ as a convenient alternative to the traditional if-else for two way selection.  (a) Conditional operator  (b) Short hand assignment  (c) Increment  (d) None | | **A** |
| 11. | The statement used to send back any value to the calling function is  (a) break (b) continue (c) exit (d) return | | **D** |
| 12. | Which for loop has range of similar indexes of 'i' used in -  **for (i = 0;i< n; i++)**  (a) for (i = n; i>0; i–) (b) for (i = n; i >= 0; i–)  (c) for (i = n-1; i>0; i–) (d) for (i = n-1; i>-1; i–) | | **D** |
| 13. | ‘for’ loop in C program , if the condition is missing -  (a) assumed to be present and taken to be false  (b) assumed to be present and taken to be true  (c) syntax error  (d) execution will be terminated abruptly | | **B** |
| 14. | if c is initialized to 1, how many times following loop is executed  While((c>0)&&(c<60))  { c++; }  (a) 60 (b) 59 (c) 61 (d)1 | | **B** |
| 15. | break statement can use with  i) loop ii)switch iii) block  (a) onlyi,ii (b) only ii,iii (c) only i, iii (d) All | | **A** |
| 16. | Which among the following is not checked in switch case  (a) character (b) integer (c) float (d) None | | **C** |
| 17. | Array is an example of which of the following?  (a) Derived types (b) Fundamental types (c) User-defined types (d) None | | **A** |
| 18. | Which of the following is used to display a string on the screen?  (a) %s (b) %c (c) %d (d) %f | | **A** |
| 19. | Which of the following is exit controlled loop  (a) for (b) while (c) do-while (d) None | | **C** |
| 20. | How many bytes the array price occupies. float price[10];  (a) 10 bytes (b) 4 bytes (c) 40 bytes (d) 20 bytes | | **C** |

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