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

**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 used to perform computations on the entered data?  (A) Memory (B) Processor (C) Input device (D) Output device | | **B** |
| 2. | Which of the following is not an input device?  (A) Plotter (B) Scanner (C) Keyboard (D) Mouse | | **A** |
| 3. | Which of the following is not an output device?  (a) Plotter (b) Scanner (c) Printer (d) Speaker | | **B** |
| 4. | Which of the following is used as a primary memory of the computer?  (a) Magnetic storage device (b) RAM  (c) Optical storage device (d) Magneto-optical storage device | | **B** |
| 5. | Which one of the following is a volatile memory?  (a) RAM (b) Auxiliary memory (c) ROM (d) Secondary memory | | **A** |
| 6. | Which of the following is not a loop structure?  (a) for (b) do-while (c) repeat-until (d) while | | **C** |
| 7. | If statement is a —————statement  (a) One-way decision (b) Multi-way decision  (c) Two way decision (d) Loop construct | | **C** |
| 8. | ‘break’ statement in a loop is used for  (a) Terminating the loop (b) De-allocating memory  (c) Terminating the program (d) Terminating the function | | **A** |
| 9. | The keyword ―else‖ can be used with  (a) for statement (b) do.. while ( ) statement  (c) if statement (d) switch ( ) statement | | **C** |
| 10. | The two different ways to implement a multi-way selection in C are -  (a) Simple if and if-else (b) if-else and nested if-else  (c) else-if ladder and switch (d) None | | **C** |
| 11. | Array is an example of which of the following?  (a) Derived types (b) fundamental types  (c) user-defined types (d) None | | **A** |
| 12. | Array elements are stored in  (a) Scattered memory locations (b) Sequential memory locations  (c) Direct memory locations (d) None | | **B** |
| 13. | int a[10] will reserve how many locations in the memory?  (a) 10 (b) 9 (c) 11 (d) None of the above | | **A** |
| 14. | Which one of the following is the correct syntax for initialization of one-dimensional arrays?  (a) int num[3]={0 0 0}; (b) int num[3]={0,0,0};  (c) int num[3]={0;0;0}; (d) int num[3]=0; | | **B** |

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| 15. | Under which of the following conditions, the size of the array need not be specified?  (a) When the compiler is smart  (b) When initialization is a part of definition  (c) Both  (d) None | **B** |
| 16. | Address stored in pointer variable is of \_\_\_\_\_\_\_\_ type  A. Integer B.character C. Float D.Double | **A** |
| 17. | Pointer variable is declared using preceding with \_\_\_\_\_\_ sign  A. % B.& C.^ D.\* | **D** |
| 18. | \* is called as \_\_\_\_\_\_\_\_\_\_\_  A. Value at pointer B. Address operator  C. Scope resolution operator D. None | **A** |
| 19. | Multiple indirection operator is \_\_\_\_\_\_\_\_   1. --> B. & C. \* D. \*\* | **D** |
| 20. | Prior to using a pointer -  A. it should be declared B. It should be initialized  C. it should be declared and initialized D. None | **C** |
| 21. | 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** |
| 22. | The keyword used to define a structure is \_\_\_\_\_\_\_\_\_\_\_\_  A) stru B) struct C) structure D) STRUC | **B** |
| 23. | The operator used to access the structure member is \_\_\_\_\_\_\_\_\_\_  A) \* B) & C) . D) | | **C** |
| 24. | The operator exclusively used with pointer to structure is \_\_\_\_\_\_\_\_\_\_\_\_  A) . B) [ ] C) -> D) \* | **C** |
| 25. | Which of the following is correct for a Structure definition?  A) Scalar data type B) Derived data type C) Enumerated type D) Null Type | **B** |
| 26. | FILE reserved word is -  A) A structure tag declared in stdio.h  B) One of the basic datatypes in c  C) Pointer to the structure defined in stdio.h  D) It is a type name defined in stdio.h | **D** |
| 27. | Which of the following causes an error  A) Trying to read a file that doesn‘t exist  B) Inability to write data in a file.  C) Failure to allocate memory with the help of malloc  D)All of the mentioned | **D** |
| 28. | fputs adds newline character  A) true B) false  C) Depends on the standard D) Undefined behavior | **B** |
| 29. | In fseek() function , the position value 2 indicates \_\_\_\_\_  A) Beginning of file B) End of file C) Current position D) All | **B** |
| 30. | Which of the following are C preprocessors?  A) #ifdef B) #define C) #endif D) All | **D** |

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| **Group – B** | | **20 x 2 = 40** | |
| **Sl. No.** | **Questions Lists** | | **Correct Option** |
| 1. | Software is defined as  (a) Set of memory cells (b) Set of Programs (c) Set of hardware (d) None | | **B** |
| 2. | Which statement is a valid?  (a) 1KB=1024 bytes (b) 1 MB=2018 bytes  (c) 1 MB=10000 kilobytes (d) i KB=100 bytes | | **A** |
| 3. | Which of the following is a pictorial representation of an algorithm?  (a) Program (b) Flowchart (c) Algorithm (d) Pseudo code | | **B** |
| 4. | Among the following, which converts assembly language into machine language -  (a) Interpreter (b) Compiler (c) Assembler (d) Algorithm | | **C** |
| 5. | The minimum number of time that a do-while loop executes  (a) 0 (b) 1 (c) infinitely (d) variable | | **B** |
| 6. | The while loop is terminated when the conditional expression returns  (a) 1 (b) 2 (c) 3 (d) Zero | | **D** |
| 7. | 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** |
| 8. | The statement used to send back any value to the calling function is  (a) break (b) continue (c) exit (d) return | | **D** |
| 9. | The \_\_\_\_\_ statement is used to skip the remaining part of the statements in a loop and continue  with next iteration.  (a) break (b) goto (c) continue (d) exit | | **C** |
| 10. | Which of following is correct array declaration  A) int num(25); B) int array num[25]; C) int num[25]; D) num[25]; | | **C** |
| 11. | Array subscripts in ‗C‘ starts from  A) 0 B) compiler dependent C) 1 D) -1 | | **A** |
| 12. | Array elements are stored in -  A) Column major order  B) in diagonal order  C) Row major order  D) either in row major or column major order | | **C** |
| 13. | Which of the following statements is used to read a string of characters into the array words?  A) scanf(―%d‖, words); B) scanf(‖% \n‖, words);  C) scanf(“%s”, words); D) scanf(― %c‖, words); | | **C** |
| 14. | A string constant is one dimensional array of characters terminated by a  A) Comma B) Full stop C) Semicolon D) Null character (‘\0’) | | **D** |
| 15. | int \*p1,\*p2; find out valid statement  A. p1-p2 B.p1\*p2 C.p1+p2 D.p1/p2 | | **A** |
| 16. | **int k[3]={1,2,3};int \*p;** one of the following statement is equal to p=k is -  A. p=&k[0] B. p=&k[1] C. p=&k[2] D. None | | **A** |

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| 17. | A pointer to pointer points to the address of a -  A. Structure B. Union C. Array D. Pointer | **D** |
| 18. | Size of the pointer depends upon\_\_\_\_\_\_\_\_\_  A. Processor B. RAM C. Hard disk D. All | **A** |
| 19. | What is the size of the double pointer?  Ex: double \*ptr; in 16 bit processor  A. 4 bytes B. 2 bytes C. 10 bytes D. 8 bytes | **B** |
| 20. | In fseek() function , the position value 1 indicates \_\_\_\_\_  A) Beginning of file B) End of file C) Current position D) All | **C** |

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