

Global Group of Institutions
Demo Question Paper – Set – I
Subject - Programming for Problem Solving

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

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 _____ A. --> 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

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) 1 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

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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