

# NADAR SARASWATHI COLLEGE OF ENGINEERING AND TECHNOLOGY, THENI.

Course/Branch : B.E / ECE	Year / Semester : IV / VII	Format No.	NAC/TLP-07a.13
Subject Code : OCS752	Subject Name : Introduction to C Programming	Rev. No.	02
Unit No : II	Unit Name : ARRAY	Date	30.09.2020

## OBJECTIVE TYPE QUESTION BANK

S. No.	Objective Questions (MCQ / True or False / Fill up with Choices )	BTL
1.	Array is an example of which of the following? (a) <b>Derived types</b> (b) fundamental types (c) user-defined types (d) None	L1
2.	Array elements are stored in (a) Scattered memory locations (b) <b>Sequential memory locations</b> (c) Direct memory locations	L2
3.	int a[10] will reserve how many locations in the memory? (a) <b>10</b> (b) 9 (c) 11 (d) None of the above	L1
4.	Which one of the following is the correct syntax for initialization of one-dimensional arrays? (a) int num[3]={0 0 0}; (b) <b>int num[3]={0,0,0};</b> (c) int num[3]={0;0;0}; (d) int num[3]=0;	L2
5.	Under which of the following conditions, the size of the array need not be specified? (a) When the compiler is smart (b) <b>When initialization is a part of definition</b> (c) Both (d) None	L1
6.	Which of following is correct array declaration A) int num(25); B) int array num[25]; C) <b>int num[25];</b> D) num[25];	L2
7.	Array subscripts in =C' starts from A) <b>0</b> B) compiler dependent	L1

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	<p>C) 1</p> <p>D) -1</p>	
8.	<p>Array elements are stored in</p> <p>A) Column major order</p> <p>B) in diagonal order</p> <p><b>C) Row major order</b></p> <p>D) either in row major or column major order</p>	L2
9.	<p>Which of the following statements is used to read a string of characters into the array <b>words</b>?</p> <p>A) scanf(—%dl, words);</p> <p>B) scanf(l% \nl, words);</p> <p><b>C) scanf(“%s”, words);</b></p> <p>D) scanf(— %cl, words);</p>	L1
10.	<p>A string constant is one dimensional array of characters terminated by a</p> <p>A) Comma</p> <p>B) Full stop</p> <p>C) Semicolon</p> <p><b>D) Null character (, \0“)</b></p>	L2
11.	<p>Which of the following multi-dimensional array declaration is correct for realizing a 2 X 3 matrix</p> <p>(a) <b>int m[2][3];</b></p> <p>(b) int m[3][2];</p> <p>(c) int m[3],m[2];</p> <p>(d) None</p>	L1
12.	<p>Which of the following is the correct syntax for initialization of two-dimensional arrays?</p> <p>(a) <b>table[2][3]={0,0,0,1,1,1}</b></p> <p>(b) table[2][3]={ {0,0,0}, {1,1,1} }</p> <p>(c) table[2][3]={0,1},{0,1}{0,1}</p> <p>(d) None</p>	L2
13.	<p>What will be assigned for marks[3] and marks[4] in the following initialization</p> <p>int marks[5]={30,45,80};</p> <p>(a) 80 and garbage</p> <p>(b) garbage and garbage</p> <p><b>(c) 0 and 0</b></p>	L1

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	(d) None	
14.	Which of the following is correct initialization of string TITAN (a) char name[ ]=  TITAN\0  (b) char name[10]=  TITAN\0  <b>(c) char name[ ]="TITAN"</b> (d) char name[ 10]={—TITAN }	L2
15.	Which of the following initialization is wrong (a) x[5]=15 <b>(b) x[10.3]=30</b> (c) x[0]=20 (d) None	L1
16.	char ch[ ]={'a','b','c','\0'}; int sum=ch[1]+ch[2]; What is the value of sum? (a) 195 <b>(b) 197</b> (c) ab (d) error	L3
17.	What happens if we initialize an array as int group[20]={0}; (a) Produce an error (b) Only 0 <sup>th</sup> element is initialized with zero <b>(c) Every element is initialized with zero</b> (d) None	L1
18.	To store a table of values which of the following is used (a) One dimensional array <b>(b) Two dimensional array</b> (c) Three dimensional array (d) None	L2
19.	int rank[3]={3,2,4,1,5}; <b>(a) Compile time error</b> (b) Initializes only 3 elements with first 3 values (c) Initializes only 3 elements with last 3 values (d) Initialize all elements with zeros	L1
20.	How to refer an element in I row j column of a two dimensional array (a) x[i,j] <b>(b) x[i][j]</b> (c) x[ij]	L2

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	(d) x[i]x[j]		
21.	<p>An array elements are always stored in _____ memory locations.</p> <p>A. <b>Sequential</b></p> <p>B. Random</p> <p>C. Sequential and Random</p> <p>D. None of the above</p>	L1	
22.	<p>Size of the array need not be specified, when</p> <p>A. Initialization is a part of definition</p> <p>B. It is a declaration</p> <p>C. It is a formal parameter</p> <p>D. <b>All of these</b></p>	L2	
23.	<p>What does the following declaration mean?</p> <p>int (*ptr)[10];</p> <p>A. ptr is array of pointers to 10 integers</p> <p>B. <b>ptr is a pointer to an array of 10 integers</b></p> <p>C. ptr is an array of 10 integers</p> <p>D. ptr is an pointer to array</p>	L1	
24.	<p>. The array int num[26]; can store 26 elements.</p> <p>2. The expression num[1] designates the very first element in the array.</p> <p>3. It is necessary to initialize the array at the time of declaration.</p> <p>4. The declaration num[SIZE] is allowed if SIZE is a macro.</p> <p>A. 1</p> <p>B. <b>1, 4</b></p> <p>C. 2, 3</p> <p>D. 2, 4</p>	L2	
25.	<p>An entire array is always passed by ___ to a called function.</p> <p>A) Call by value</p> <p>B) <b>Call by reference</b></p> <p>C) Address relocation</p> <p>D) Address restructure</p>	L1	