CS201 MIDTERM PAST PAPER

How many dimensions does n-dimensional array has? Answer (Please select your correct option) On dimensions Correct 2n dimensions (n-1) dimensions

Question No : 2 of 26 Which of the following function call is "call by reference" for the following function prototype? void func (int *);

C	func(int #);	
c	func(#);	correct
c	func(*num);	dTelel I'c'

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he	loop which is most suitable to be used when the number of iterations is known is called
sv	wer (Please select your correct option)
2	for <u>COFFECT</u>
0	while
2	do-while DOTE
	all looping processes require that the iterations be known

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	C/C++, the string constant is enclosed in	
Ansv	ver (Please select your correct option)	
c	curly braces ()	
c	parentheses()	<u>t</u>
О	single quotes ' DCTE	
o	double quotes" " COFFECT	

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0	order to get the right most digit of a number, we divide this number by 10 and take	7
sv	wer (Please select your correct option)	
	Its remainder COFFECT	
	Its quotient	t
	Its divisor DCTE	
	The number	

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What is the correct syntax to declare an array of size 10 of int data type? Answer (Please select your correct option) int [10] name; name[10] int; c int name[10]; int name[1];

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Answer (Please select your correct option) 10 11 COFFECT 12

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When the if statement consists more than one statement then enclosing these statement in curly braces is,

Ansv	wer (Please select your correct option)
c	Not required
c	Good programming
c	Relevant DCTCC
c	Must COFFECT

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Question No : 10 of 26

Suppose that an integer type pointer contains a memory address 0x22f230. What will be the new memory address if we increment this pointer by one?

C	0x22f231
c	0x22f234 COFFECT
0	0x22f226 adfelement

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Which of the following if missing would result in infinite recursion in case of recursive function? Answer (Please select your correct option) Recursive call Correct Base case Function parameters

Local variables

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Wh	enever we use a library function or a predefined object or macro, we need to use a	
Ansv	wer (Please select your correct option)	
0 0	object file	+
c	header file <u>COFFECT</u>	
c	exe file	

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Que	stion No : 13 of 26	
Swi	tch statement deals with type of data.	
C	ver (Please select your correct option) Integer	
C	Float	\bigcap^{1}
С	Character DCTEC	
0	Both Integer and Character COFFECT	

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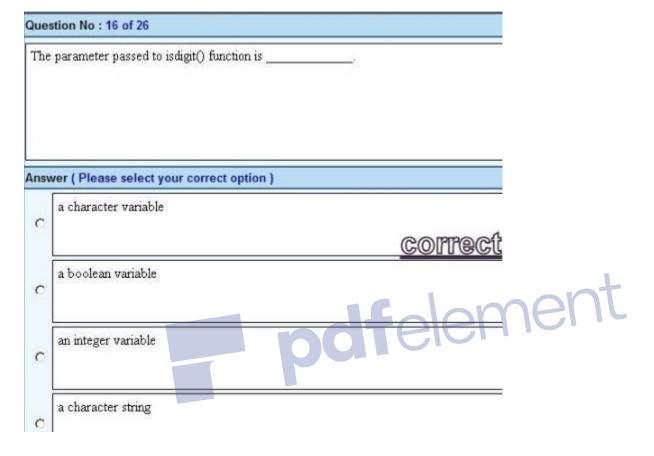
Bot	h compiler and	are used to translate program into machine language code.	
	wer (Please select yo	our correct option)	
0	linker		ant
c	loader	patelen	
О	intreperter	correct	

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	AIN stands for
Ansv	Wer (Please select your correct option) Technology With An Interesting Name
С	Technology Without An Informative Name
C	Technology Without An Interesting Name COFFECT
C	Technology With An Informative Name

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Ques	stion No : 17 of 26	
C++	+ views each file as a sequential stream of	
Ansv	wer (Please select your correct option) Bits	
С	Bytes COFFECT	ent
С	Numbers OCT C	
C	Words	

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Stru	octure is a collection of	under a single name.	
Ansv	ver (Please select your correct opti	ion)	
C	only functions		
C	only variables	correct	nent
С	both functions and variables	pareici	
О	only data types		

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Answer (Please select your correct option) Sequential File Random Access File Executable File Executable File

2 marks

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Question No: 20 of 26

If p and q are two pointers then what is the problem with the following statement?

cout << "
$$p =$$
 " << $p <<$ ", $p + q =$ " << $p + q <<$ endl;

2 marks

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If a structure is passed to a function, What will be the default calling convention (by value or by reference)?

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3 marks

main()

Question No: 23 of 26

Explain the logic of the given program code and also determine its output.

```
#include <iostream.h>
#include<string.h>
```

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```
char name[10]= "Khaqan";

char msg[20] = "Welcome!";

cout<<strncat(msg, name, 3);
```

Question No: 23 of 26

```
char msg[20] = "Welcome!";
cout<<strncat(msg, name, 3);
return 0;</pre>
```

3 marks

Question No: 24 of 26

Write the code to for the following task.

Declare an integer array longroutes and a pointer routePtr and then assign the address of array longroutes to the pointer variable routePtr.

element

5 marks

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Question No : 25 of 26

Write a program which declares and initializes an integer array of 10 elements and then using a pointer, displays the array elements in reverse order.

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5 marks

```
Find out errors in the program if any and after correction, write the output.

int main()
{
    ofstream outfile;
    long position;
```

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```
tong position;
char outfilename[] = "abc.txt";
outfile.open(outfilename);
if(!outfile)
{
  cout<<"Error Occured while opening a file";</pre>
```

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```
exit(1);
}
outfile.write("This is a car", 12);
position = outfile.tellp();
outfile.seekp(position-5);
outfile.write("jar", 3);
```

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```
position — outline.temp(),
outfile.seekp(position-5);
outfile.write("jar", 3);
outfile.close();
return 0;
}
```