

Test 1: Multiple Choice and Fill in the blanks.

Due No due date **Points** 20 **Questions** 10

Available Apr 7 at 6:20pm - Apr 7 at 7:30pm about 1 hour

Time Limit 20 Minutes

This quiz was locked Apr 7 at 7:30pm.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	17 minutes	14 out of 20

❗ Correct answers are no longer available.

Score for this quiz: **14** out of 20

Submitted Apr 7 at 7:04pm

This attempt took 17 minutes.

Question 1

2 / 2 pts

What is the display in the following code snippet?

```
enum usc {  
    scientia,  
    virtus,  
    devotio  
};  
printf("%d", devotio);
```

Question 2

2 / 2 pts

What is the display in the following code snippet?

```
enum usc {  
    scientia,  
    virtus,  
    devotio  
}e[3];  
printf("%d", sizeof(e));
```

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Question 3

2 / 2 pts

Given a function: `void test(int A[], int SIZE) { printf("%d", sizeof(A)); }`

What is the output if the function call is as follow?

```
int A[] = {1,2,3,4,5};  
test(A, 5);
```

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Incorrect

Question 4

0 / 2 pts

Given the code snippet below, what is the result of the operations ?

```
int x[10] = {1,2,3,4,5,6,7,8,9,10};  
int y = 20;  
int i = 10;  
x[i--] = y;
```

- ☒ x contains {1,2,3,4,5,6,7,8,9,20}
- ☐ x contains {1,2,3,4,5,6,7,8,20,10}
- ☐ x contains {20,2,3,4,5,6,7,8,9,10}
- ☐ It may overwrite memory beyond the array.

Question 5

2 / 2 pts

```
typedef struct {  
    int arr[10];  
}arrStruct;  
arrStruct X, Y;
```

To copy the contents of X to Y:

- a) Y = X;
- b) memcpy(Y, X, sizeof(arrStruct));

Which of the following statement is valid?

- ☐ Both a) and b) are correct.
- ☐ b) is the only correct answer
- ☒ a) is the only correct answer
- ☐ Both a) and b) are incorrect

Question 6

2 / 2 pts

Which correctly defines the relationship of q and p?

```
struct {  
    char a;  
    int b;  
}*p;  
union {  
    char a;  
    int b;  
}*q;
```

- ☐ cannot be determined
- ☐ sizeof(q) > sizeof(p)
- ☐ sizeof(q) < sizeof(p)
- ☒ sizeof(q) == sizeof(p)

Question 7

2 / 2 pts

How many data type(s) is/are defined in the definition below ?

```
typedef struct node{  
    char a;  
    int b;  
}*p, q;
```

3

Incorrect

Question 8

0 / 2 pts

```
struct ex{  
    float a;  
    union{
```

```
struct {
    int number;
    float decimal[2];
}b;
struct {
    double be[2];
    char ce;
}c;
}d;
};
```

```
struct ex val[5];
struct ex *p = val + 2;
```

What is the effect of the following statement?

```
(--p)->d.b.number = 10;
```

- ☐ Variable number of array component 0 is set to 10
- ☐ Variable number of array component 3 is set to 10
- ☐ Variable number of array component 1 is set to 10
- ☒ Variable number of array component 2 is set to 10
- ☐ Run time Error
- ☐ Compile Time error

Incorrect

Question 9

0 / 2 pts

What is the minimum number of bytes allocated to any variable of type struct ex ?

```
struct ex{
    float a;
    union{
        struct {
            int number;
            float decimal[2];
        }b;
        struct {
            double be[2];
        }c;
    };
};
```

```
        char ce;  
    }c;  
}d;  
};
```

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Question 10

2 / 2 pts

Given the Code snippet, determine the output.

```
struct ure {  
    int i;  
    char c[4];  
    float f[2];  
} p[] = { { 6, "AX", 34.6, 34.0 },  
          {32, "BY", 38.6, 36.0 },  
          { 1, "CZ", 37.9, 37.0 }  
}, *pp = p;  
  
printf("%d", p[0].i + 6);
```

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Quiz Score: **14** out of 20