Question 1

Correct

Mark 1.00 out of 1.00

Flag question

What is the output of the following program?

```
#include <stdio.h>

int fun(double a, float b, int c)
{
    if (a >= b)
        printf("a=%5.1f",a);
    else if (b > c)
        printf("b=%2.1f, c=%3d\n", b, c);
    else
        printf("c=%d\n", c);
    return 0;
}

int main()
{
    return fun(-10.29511, -9.910, -8);
}
```

Select one:

- compile-time error
- a= -9.9
- b=-10.0, c= -38
- b=-9.9, c= -8
- c=-8 ✔

Question 2

Correct

Mark 1.00 out of 1.00

Flag question

Which of the following is NOT a valid C identifier? Select only the ones that apply.

Select one or more:

- [ ] Enum
- [ ] long4
- [x] four*days ✔
- [ ] AREA
- [ ] _51lot
- [x] extern ✔
- [x] for ✔
- [x] 3temp ✔

Your answer is correct.

The correct answers are: extern, 3temp, for, four*days

Question 3

Correct

Mark 1.00 out of 1.00

Flag question

Which of the following program segment produces the following output, which reads positive integer numbers, finds and displays summation of those numbers until the input is divisible by 5 and 7 at the same time.

Sample Run:

10

7

21

35

sum is 38

Select one:

a. Program segment is below:

```
sum = 0;
scanf("%d", &x);
do
{
    sum = sum+x;
    scanf("%d", &x);
}
while(x%5 != 0 && x%7 != 0);
printf("sum is %2d\n",sum);
```

b. Program segment is below:

```
scanf("%d", &x);
sum = 0;
while(!(x%5 == 0 && x%7 == 0))
{
     sum = sum+x;
     scanf("%d", &x);
}
printf("sum is %2d\n", sum);
```

c. Program segment is below:

```
sum = 0;
for (scanf("%d", &x); x%5 != 0 && x%7 != 0; sum = sum+x);
printf("sum is %2d\n",sum);
```

d. Program segment is below:

```
sum = 0;
scanf("%d", &x);
while(x%5 != 0 && x%7 != 0)
{
     sum = sum+x;
     scanf("%d", &x) ;
}
printf("sum is %2d\n",sum);
```

Your answer is correct.

Correct

Mark 1.00 out of 1.00

Flag question

Notice that values that the variable i take are 3-digit numbers from 100 to 999.

Assume that the digits of the value in i is x, y, and z. In other words, the value in i is a 3-digit number xyz (e.g. 123).

Among the given answers in which condition i is printed?

```
for (i = 100; i <= 999; ++i)
{
    k = b = 0 ;
    for (c = i; c > 0; c = c/10)
    {
        a = c % 10;
        b = b + pow(a,3-k);
        k++;
    }
    if (b == i)
        printf("%d\n", i);
}
```

Select one:

- a. $xyz = y^2+4xy+ z^0$
- b. $xyz = x^3+y^2+z$
- c. $xyz = x+y^2+z^3$ ✔
- d. $xyz = x^2+y^2+z^2$
- e. $xyz = x^2+y^1+z^0$

Your answer is correct.

The correct answer is: $xyz = x+y^2+z^3$

Question 5

Partially correct

Mark 0.10 out of 1.00

Flag question

Which of the following code fragment prints TEDU four times? Select only the ones that apply.

Select one or more:

a. Code fragment is below:

```
int i;
for (i = 0; ++i; )
{
    if (i == 5)
        break;

    printf("TEDU\n");
}
```

b. Code fragment is below:

```
int i;
for (i = 10; i > 1; i--)
{
    if (i % 2 == 1)
        continue;
    printf("TEDU\n");
}
```

c. Code fragment is below:

```
int i;
for (i = 0; i++; )
{
    if (i == 5)
        break;

    printf("TEDU\n");
}
```

d. Code fragment is below:

```
int i = 0;
while (i < 8)
{
    if (5 < i < 7)
        printf("TEDU\n");
    i += 2;
}
```

Your answer is partially correct.

You have correctly selected 1.

The correct answers are: Code fragment is below:

```
int i;
for (i = 0; ++i; )
{
    if (i == 5)
        break;

    printf("TEDU\n");
}
```

, Code fragment is below:

```
int i = 0;
while (i < 8)
{
    if (5 < i < 7)
        printf("TEDU\n");
    i += 2;
}
```