

```
3) char inputCh = varies;
   switch (inputCh)
   {
       case 'A': x = 95;
               break;
       case 'B': x = 85;
               break;
       case 'C':
       case 'D': x = 70;
               break;
       default: x = 50;
   }
   System.out.println(x);
```

- a) What is the output if inputCh = 'A'? (1 pt) a) _____
- b) What is the output if inputCh = 'C'? (1 pt) b) _____
- c) What is the output if inputCh = 'F'? (1 pt) c) _____

I. Convert the following program fragment to a **switch** structure. (7 pts)

```

if (x == 1)
    count++;
else if (x == 2)
    count--;
else
    System.out.println("Neither 1 nor 2.");

```

II. Write the output after execution of the code fragments:
Show the memory simulation.

X

1) **char** ch = 'B'; (2 pts) 1) _____

```

int x = 5;
switch(ch)
{
    case 'A': x = x + 1;
        break;
    case 'B': x = x + 2;
        break;
    case 'C': x = x + 3;
}
System.out.println(x);

```

2) What is the output of the following code fragment? (2 pts) 2) _____

```

int number;
int x = 1;
number = 20;
switch (number)
{
    case 10: x++;
    case 20: x = x + 2;
    case 30: x = x + 3;
    default: x = x + 4;
}
System.out.println(x);

```

OVER