

B 1. What values will be stored in a and b after execution of the following program segment?

```
int a = 7, b = 11;
```

```
if(a<b){
```

```
    if(a < 20)
```

```
        a *= 2;
```

```
    else
```

```
        a = b-a;
```

```
    b = b/3;
```

```
}
```

```
else {
```

```
    if(b < 15)
```

```
        b = b*2+3;
```

```
    else
```

```
        b = a-b+15;
```

```
    a = a/4;
```

```
}
```

a. a = 16 b = 4

b. a = 14 b = 3

c. a = 18 b = 5

d. a = 12 b = 3

e. a = 10 b = 7

B 2. What is output by the code below?

```
int p = 40;  
if(p >= 20)  
{  
    out.print("1");  
    if(p >= 30)  
        out.print("2");  
}  
else  
    out.print("3");
```

- a. 123
- b. 12
- c. 13
- d. 1
- e. 3

A 3. What is output by the code below?

```
int a = 50, b = 24;  
if( a > 40)  
    if( b > 50)  
        out.print("def");  
    else if( b > 35)  
        out.print("xyz");  
    else if( b > 20)  
        out.print("ghi");  
out.print("fun");
```

- a. ghifun
- b. deffun
- c. def
- d. ghi
- fun
- e.

A 4. What is output by the code below?

```
int c=40, d=30;
if( c > 30)
    if( d > 10)
        out.print("go");
    else
        out.print("run");
else
    out.print("fly");
out.print("nogo");
```

- a. gonogo
- b. run
- c. fly
- d. go
- e. nogo

B 5. What is output by the code below?

```
String a = "cat";  
String b = "dog";  
out.println( a.compareTo(b) );
```

- a. 0
 - b. -1
 - c. 1
 - d. 2
 - e. -2
- ,

D 6. What is output by the code below?

```
int w=50, x=68;
if(w>50)
    if(x>60)
        out.print("it");
    else
        out.print("at");
else
    out.print("up");
out.print("fun");
```

- a. fun
- b. itatupfun
- c. atfun
- d. upfun
- e. itfun

C 7. What is output by the code below?

```
String a = "dog";  
String b = "cat";  
out.println( a.compareTo(b) );
```

- a. 0
- b. -1
- c. 1
- d. 2
- e. -2

A 8. What is output by the code below?

```
int n=70, s=81;
if( n > 30){
    if( s > 90)
        out.print("go");
    }else
        out.print("stop");
out.print("applus");
```

- a. applus
- b. go
- c. stop
- d. stopapplus
- goapplus
- e.

D 9. What is output by the code below?

```
int p = 160, m = 180;
if( p > 90)
    if( m > 100)
        out.print("def");
    else if( m > 150 )
        out.print("xyz");
    else
        out.print("ghi");
out.print("applus");
```

- a. xyz
- b. xyzdef
- c. xyzapplus
- d. defapplus
- defxyzapplus
- e.

B 10. What is output by the code below?

```
int x=70, y=50;  
if( x > 50)  
    if( y > 60)  
        out.print("go");  
out.print("nogo");
```

- a. go
- b. nogogo
- c. gonogo
- d. nogogo
- e. gogo