

ANSWER SHEET

CS1101X/Y/Z TERM TEST #1

MODULE: CS1101 (X or Y or Z)**LECTURE GROUP:** (1 to 3)**DISCUSSION GROUP:** (1 to 8)**MATRICULATION NO:**

--	--	--	--	--	--	--	--	--	--

(write legibly using a pen)

--

TOTAL
MARKS**SECTION A (1 mark each)**

- | | | | | |
|-----------------------------------|-----------------------------------|------------------------------------|------------------------------------|------------------------------------|
| 1. <input type="text" value="A"/> | 5. <input type="text" value="D"/> | 9. <input type="text" value="D"/> | 13. <input type="text" value="A"/> | 17. <input type="text" value="C"/> |
| 2. <input type="text" value="A"/> | 6. <input type="text" value="E"/> | 10. <input type="text" value="E"/> | 14. <input type="text" value="A"/> | 18. <input type="text" value="E"/> |
| 3. <input type="text" value="C"/> | 7. <input type="text" value="D"/> | 11. <input type="text" value="B"/> | 15. <input type="text" value="B"/> | 19. <input type="text" value="D"/> |
| 4. <input type="text" value="C"/> | 8. <input type="text" value="C"/> | 12. <input type="text" value="B"/> | 16. <input type="text" value="C"/> | 20. <input type="text" value="A"/> |

SECTION B (2 marks each)

21.

```
public static boolean isEmpty(String s) {  
  
    return s.length() == 0;  
  
    // or return s.equals("");  
  
}
```

isEmpty

22.

```
return f || g || h;
```

Rewrite the if...else-if...else statement.

23.

```
public static int gcd(int m, int n, int p) {  
    return gcd( gcd(m,n), p );  
}
```

gcd

24.

```
public static void triangle(int n) {  
    for ( int r = 1; r <= n; r++ ) {  
        for ( int c = 1; c <= r; c++ )  
            System.out.print("*");  
        System.out.println();  
    }  
  
}
```

triangle

25.

```
public static int remainder(int a, int b) {  
  
    while ( a >= b ) a-= b;  
    return a;  
  
}
```

remainder

—— THE END ——