1. A◯ B◯ C◯ D◯ E◯
2. A◯ B◯ C◯ D◯ E◯
3. A◯ B◯ C◯ D◯ E◯
4. A◯ B◯ C◯ D◯ E◯
5. A◯ B◯ C◯ D◯ E◯
6. A◯ B◯ C◯ D◯ E◯
7. A◯ B◯ C◯ D◯ E◯
8. A◯ B◯ C◯ D◯ E◯
9. A◯ B◯ C◯ D◯ E◯
10. A◯ B◯ C◯ D◯ E◯
11. A◯ B◯ C◯ D◯ E◯
12. A◯ B◯ C◯ D◯ E◯
13. A◯ B◯ C◯ D◯ E◯
14. A◯ B◯ C◯ D◯ E◯
15. A◯ B◯ C◯ D◯ E◯
16. A◯ B◯ C◯ D◯ E◯
17. A◯ B◯ C◯ D◯ E◯
18. A◯ B◯ C◯ D◯ E◯
19. A◯ B◯ C◯ D◯ E◯
20. A◯ B◯ C◯ D◯ E◯

From the following options:

A)
```
Count ← 1;
while (Count ≠ 10) do {
    print Count;
    Count ← Count + 2;
}
```

B)
```
Count ← 0;
while (Count ≠ 10) do {
    print Count;
    Count ← Count + 2;
}
```

C)
```
Count ← 10;
while (Count ≥ 0) do {
    Count ← Count - 2;
}
print 8 - Count;
```

D)
```
Count ← 10;
repeat {
    print Count;
    Count ← Count - 2;
} until (Count > 0)
```

E)
```
Count ← 0;
repeat {
    Count ← Count + 2;
    print Count;
} until (Count = 10)
```

Identify:

1. Two algorithms that have the same stop condition
2. Two programs that produce the same output
3. A non terminating program
4. Two programs that do the same number of iterations
5. A program that does only one iteration

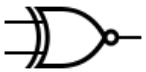
From the following options:

A) 

B) 

C) 

D) 

E) 

Identify:

6. AND gate
7. NAND gate
8. NOR gate
9. XOR gate

From the following options:

A) A
B) H
C) 0
D) FF
E) 1001101

Identify:

10. Bit
11. Byte
12. Hexadecimal Digit
13. ASCII Code

From the following options:

A) $4\,{}^{5}/_{16}$
B) $4\,{}^{3}/_{16}$
C) $4\,{}^{5}/_{8}$
D) $5\,{}^{3}/_{8}$
E) $5\,{}^{3}/_{16}$

Identify:

14. 100.0101
15. 100.101
16. 101.011
17. 100.0011

From the following options:

A) 1110
B) 1011
C) 0110
D) 1001
E) 1101

Identify:

18. $0011 + 0011$
19. $1100 + 0010$
20. $1011 + 0010$

Name:_____
ID:_____
Sec.:_____
B.N.:_____

Benha University,
Faculty of Engineering (at Shoubra),
Electrical Engineering Department.
Computer ECE 001 (Midterm Exam)