

**Model Question paper for online examination**  
**S.Y.B.Sc.CS CS-I Maths-III**

Q1. Which of the following is a loop structure?

1. If (Condition)
  - then {statement/ statements}
2. For i=1 to n
  - do {statement/statements}
  - enddo
3. If( condition)
  - then {statement/statements}
  - else{ statement/Statements}
4. Break statement

Q2. Which of the following is a control statement?

1. If (Condition)
  - then {Statement/Statements}
2. I=0  
I=I+1
3. read a,b,c;
4. print I;

Q3. Closed trail in graph  $G(p,q)$  is called as?

1. Circuit
2. Cycle.
3. Path.
4. Trail.

Q4. Number of components in connected graph  $G$  is ?

1. 1
2. 2
3. 3
4. 4

Q5. Let  $T(p,q)$  be a tree graph then  $T$  contains cycle if ?.

1. only one edge added to  $T$
2. adding minimum two edges.
3. Adding exactly 2 edges.
4. Removed one vertex

Q6. Let  $T(p,q)$  be a tree graph then  $T$  is disconnected graph if

1. exactly one edge is removed.
2. minimum two edges are removed.
3. exactly two edges are removed.
4. no edge is removed.
- 5.