**HOLY CROSS ENGINEERING COLLEGE, VAGAIKULAM**

**DEPARTMENT OF ECE**

**FIRST INTERNAL ASSESMENT TEST**

Sub. Code & Name: EC8551 Communication Networks

Year & Dept: III ECE Time: 1.30 hours

Date: 12-9-2022 Max. Marks: 50

**Part – A (5\*2=10)**

**Answer ALL the Questions**

1. Define WAN?
2. Point out the fundamental characteristics of data communication system?
3. Give an advantages and disadvantages of bus topology?
4. Mention the functions of data link layer?
5. Analyse the flow and error control?

**Part – B (13\*2=26)**

**Answer ANY TWO Questions**

1. Define the following network topologies with an advantage.

i.Bus topology ii. Ring topology iii.Star topology iv.Mesh topology

7. State the following networks in detail.

i.LAN ii.MAN iii.WAN

8. Perform a comparative study between the ISO – OSI Model & TCP/IP reference model

**Part – C (14\*1=14)**

**Answer ANY ONE Question**

9.Develop the OSI Model and explain its layers with neat sketch.

10.Explain different switched networks