

Govt. V.Y.T.PG. Autonomous College, Durg (C.G.)
Assignment Question Paper
B.Sc. (IT) – VI Sem
Course Code – (BIT-603)
DSE1-Data Communication and Networking

- Part A and B are very short-answer type questions. Answer in 1 or 2 sentences.
- Part C (Short answer type) should be answered in 200-250 words.
- Part D (Long answer type) should be answered within the word limit 400-450

Max. Marks: 10

Note: All questions are compulsory.

- Q.1 A. What is CRC? (1)
- Q.1 B. List different types of error detection techniques? (1)
- Q.1 C. Explain the concept of **framing** and its types. (3)

OR

Explain the IEEE Project 802 series of network standards.

- Q1.D Explain CSMA/CD in detail. How does it help in collision detection and prevention in Ethernet? (5)

OR

Describe Stop & Wait ARQ and Go-Back-N ARQ with appropriate diagrams.