

Roll No. ....

**Y – 3646 (A)**  
**B.C.A. (Sixth Semester) (SPECIAL) EXAMINATION,**  
**August 2021**  
**(SECOND CHANCE)**  
Paper – BCA-602

**NETWORKING CONCEPTS**

*Time : Three Hours*

*Maximum Marks : 80*

*Minimum Pass Marks : 32*

**Note**—Attempt *all* questions.

**Unit-I**

1. (a) Describe time domain and frequency domain concept in detail. 8
- (b) Discuss the advantages of computer network. 8

**Unit-II**

2. Explain the following—
- (a) Attenuation and Attenuation Distortion. 8
- (b) CODEC. 8

**Unit-III**

3. Explain the following—
- (a) Baseband and Broadband Coaxial cable. 8
- (b) Fiber Optics. 8

**Unit-IV**

4. (a) Write short note on features of ATM layers. 8
- (b) What is the channel structure offered by ISDN ? 8

**Unit-V**

5. (a) What do you understand by congestion ? What are different congestion prevention techniques ? Explain. 8
- (b) What do you mean by adaptive routing algorithm ? Explain any one adaptive routing algorithm. 8