

Roll No. ....

**Y – 3646**

**B.C.A. (Sixth Semester) EXAMINATION,**

**May/June-2021**

Paper – BCA-602

**NETWORKING CONCEPTS**

*Time : Three Hours*

*Maximum Marks : 80*

*Minimum Pass Marks : 32*

**Note**—Attempt *all* the questions.

**Unit-I**

1. (a) What do you understand from Bandwidth ? Explain its relation with data rate. 8
- (b) Explain components of data communication system. 8

**Unit-II**

2. (a) Explain the difference between analog and digital signal. 8
- (b) Write an explanatory note on Modulation. 8

**Unit-III**

3. (a) Explain the merits and demerits of wireless transmission. 8
- (b) Explain the functions of various layers of OSI model. 8

**Unit-IV**

4. (a) Describe STOP-AND-WAIT protocol along with the advantages and disadvantages. 8
- (b) Explain the function of checksum method used in error detection. 8

**Unit-V**

5. Explain following—
  - (i) IP addressing. 8
  - (ii) Internetworking. 8

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