

S.B. Roll No.....

**DIGITAL COMMUNICATION**  
**5<sup>th</sup> Exam/ECE/2618/Feb'2021**  
**(For 2018 Batch onwards)**

**Duration: 1.15Hrs.**

**M.Marks:25**

**SECTION-A**

**Q1. Attempt any three questions.**

**3x5=15**

- i. What is difference between ASCII and EBCDIC Code?
- ii. Give any five advantages of digital Communication?
- iii. Explain CRC in brief?
- iv. Explain ASK and FSK?
- v. Describe types of data transmission channel?
- vi. Explain the types of modem on the basis of speed?
- vii. Explain the working principle of STS switch?

**SECTION-B**

**Q2. Attempt any one question.**

**1x10=10**

- a. Explain digital data communication system with block diagram?
- b. Write a short note on any two i) Hamming Code ii) Echo suppressor iii) Modem Modulation Method.
- c. What is QPSK? Compare BPSK and QPSK?
- d. Write a short note on any two i) Equalizers ii) Echo cancellers. iii) Crosstalk.