

S.B. Roll. No.....

DIGITAL COMMUNICATION
5th Exam/ECE/2618/Jun'2022
(For 2018 Batch Onwards)

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Do as directed.

15x1=15

- a. Voice is a _____ Quantity.
- b. The communication Channel is the _____ medium that is used to send signal?
- c. Write any error detection technique.
- d. Expand ASCII.
- e. EBCDIC is how many bit code?
- f. Expand DTE.
- g. Parity Method is a _____ method.
- h. Expand ASK.
- i. Coherent detection is also known as which detection?
- j. Minimizing delay is _____ control method.
- k. Expand LAN.
- l. Crosstalk is the _____ of signal in adjacent channel.
- m. Expand Modem.
- n. Modem Send which data over telephone line.
- o. Expand Bps

SECTION-B

Q2. Attempt any six questions.

6x5=30

- i. Explain the need and function of modem.
- ii. Classify modems on the basis of speed.
- iii. Write Short note on Time-space-time Switch (TST).
- iv. Explain types of communication channels.
- v. Write a short note on crosstalk.
- vi. What are equalizers?
- vii. Explain the working of PSK.
- viii. Explain disadvantages of ASK.
- ix. Define Hamming Code.

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. What are echo suppressors and echo cancellers?
- b. Compare ASK, FSK and PSK.
- c. Explain cyclic redundancy Check method with example.
- d. Differentiate between 7 bit ASCII and EBCDIC Code.
- e. Explain with block diagram digital Data communication system.