

S.B. Roll No.....

COMMUNICATION SYSTEM-II
5th Exam/ECE/ETV/ECEII/0614/0561/6801/May'18

Duration: 3Hrs.

M.Marks:75

SECTION-A

Q1. Fill in the blanks.

10x1.5=15

- a. LRC stands for _____
- b. ASCII stands for _____
- c. Information can be defined in two forms _____ or analog
- d. In TDM frame is divided into _____
- e. Space division switching requires too many _____.
- f. In communication technology, equalizer is used to compensate for _____
- g. PSK stands for _____.
- h. IC 8251 is a _____
- i. A _____ modem will allow simultaneous transmission in both the directions.
- j. Generally, the medium for FAX communication is _____

SECTION-B

Q2. Attempt any five questions.

5x6=30

- i. Discuss the advantages and disadvantages of digital communication system.
- ii. What is Parity? Explain how it detects error.
- iii. Compare synchronous and asynchronous transmission.
- iv. What is principle of Amplitude Shift keying? How is it generated?
- v. Explain the features of modern fax machines.
- vi. What is radio telemetry? What are its applications?
- vii. List down the various types of Modem and briefly explain them

SECTION-C

Q3. Attempt any three questions.

3x10=30

- a. With help of neat Diagram explain coherent Binary FSK transmitter and receiver
- b. Explain the USART in detail with diagram
- c. Explain Stored program control processor and its application in electronic exchange
- d. Write short notes on **(any two)**
 - i. Echo suppressors
 - ii. CRC
 - iii. Hamming code
- e. Explain the following terms **(any two)**
 - i. Equalizers
 - ii. Distortion
 - iii. Space division switches