1410N721

Candidate's Seat No :_____

B.Sc. Sem.-6 (Rep) Examination

SE-311

Electronics (A)

(MC)

October-2025

Time : 2-30 Hours] **[Max. Marks : 70**

Instructions: (1) **All** questions carry equal marks
(2) The symbols have their usual meanings & figures to the right indicate marks.

1 (A) Discuss about Basic Telephone Set in detail. Explain Dialing Circuits and Handset. 7
(B) Explain single-chip electronic telephone with block diagram. 7

OR

(A) Draw block diagram of a cordless telephone. Explain Cordless telephone concepts and frequency allocations. 7
(B) With the help of block diagram explain Private Telephone System in detail. 7

2 (A) Explain multiple access in detail with diagram. 7
(B) Draw block diagram of typical AMPS unit. Give the sequence of operations that occur when a person initiates a cellular telephone call. 7

OR

(A) Draw the block diagram of typical AMPS unit. Explain AMPS receiver. 7
(B) Explain EDGE in detail. What makes EDGE faster than GPRS? 7

3 (A) Explain E-mail, File Transfer, WWW, E-commerce, Searches, VoIP and Video over internet protocol. 7
(B) Discuss Internet Backbone with block diagram. 7

OR

(A) Explain Frame Relay and Asynchronous Transfer Mode with figure. 7
(B) Explain the sequence of operations for accessing data by using the iSCI protocol. 7

4 (A) Explain BORSCHT functions in the Subscriber Interface with block diagram 7
(B) Write short note on advanced cell phones. 7

OR

(A) Explain standard telephone circuit diagram showing connection to central office. 7
(B) Write a note on Storage Area Networks with block diagram. 7

5 Attempt any **SEVEN** out of twelve. **14**

1 Full form of DECT is _____.
2 The _____ provides seven basic functions referred to as BORSCHT.
3 Full form of PSTN is _____.
4 An alternative to the PBX is known as _____.
5 TDMA relies on digital signals and operates on a _____ channel.
6 CDMA is another name of _____ spectrum.
7 Full form of RSSI is _____.
8 Full form of GMSK is _____.
9 To locate sites on the Web, you use a special address called a _____.
10 Frame Relay (FR) is a _____ protocol.
11 Full form of SDH is _____.
12 The connection between the servers and the SAN is made usually by a fiber-optic network known as _____.