2904E272 Candidate's Seat No :_____

B.Sc. Sem.-2 (NEP) Examination
MDC-ELE-124 (T)
Electronics
Indian Satelite & Digital Circuits

Time : 1-00 Hours]   April 2024   [Max. Marks : 25

Instructions : (1) Figures to the right indicate Full Marks of the questions.
                       (2) Symbol used their usual meaning.

1   Explain about satellite system in detail. Also discuss the use of satellite in the field of television.   10

OR

1   Draw the INSAT frequency plan & explain INSAT in detail.   10

2   $\underline{Y} = F (A, B, C, D) = \Sigma\ m\ (7, 9, 10, 11, 12, 13)$.   10

OR

2   Explain about Multiplexer & ROM in detail.   10

3   Attempt any five out of six :   5
   (1)   Give the full form of LNA.
   (2)   Give the full form of HPA.
   (3)   In the satellite communication .... modulation is used.
   (4)   In k-map what is the meaning of "X"?
   (5)   Draw the symbol of 3 i/p X-OR gate.
   (6)   Define : Decoder.