Mid Semester Back Paper Examination, 2023

(Old Syllabus)

Name of the Course: B. Tech.

Semester: III

Name of the Paper: Logic Design

Paper Code: TCS-301

Time:1.5 Hours

Maximum Marks: 50

Note: (i) All questions are compulsory

(ii) Answer any one sub question (a) OR (b)

(iii) Each sub question carries 10 marks

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	Days All

A combinational circuit is defined by the following three Boolean functions. Design the circuit with a decoder and external gates. $F_1 = x'y'z' + xz$ $F_2 = xy'z' + x'y$ $F_3 = x'y'z + xy$