

Mid Sem Question Paper

Name of the program:	B.tech	Semester:	III
Course/Subject Name:	Formal Languages and Automata Theory	Course/Subject Code:	CSE11005
Maximum Marks:	50	Time Duration:	3 Hrs
Total No. of Questions:	18	Total No of Pages:	4

Mid sem question paper

combination is correct? a) $A = 1, B = 0$ b) $A = 0, B = 1$ c) $A = 0, B = 0$ d) $A = 0, B\hat{A}' = 1$. [

essential circuit? 1)Flip-Flop 2)Counter 3)Shift register 4)Multiplexer ['2', '2', '2', '2', '2', '2']

can be written by: a) $A + AB = A$ b) $A + AB = B$ c) $AB + AA\hat{A}' = A$ d) $A + B = B + A$ ['2', '2', '2', '2', '2', '2']

standard form is known as: a) Product Term b) Literal c) Sum Term d) Word ['3', '3', '3', '3', '3', '3']

is b) 4 combinational inputs c) 6 combinational inputs d) 8 combinational inputs ['3', '3', '3', '3', '3', '3']

-----6> Explain the method of Boolean expression minimization [2] [3]

7> Explain the process of converting SOP to SSOP and POS to SPOS. [2] [3]

8> Explain the major properties of Boolean algebra [1] [5]
