

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

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

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

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Which combination is correct? a) $A + AB = A$ b) $A + AB = B$ c) $AB + AA\hat{A}' = A$ d) $A + B = B + A$ [2, 2, 2, 2, 2]

-----6> Explain the major properties of Boolean algebra [1] [5]

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Explain the method of Boolean expression minimization using K MAP for 3-variable. [1]
