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

GROUP A(1 X 5)

1> A variable on its own or in its complemented form is known as: a) Product Term b) Literal c) Sum Term d) Word

2> Which of the following is not a sequential circuit? 1)Flip-Flop 2)Counter 3)Shift register 4)Multiplexer

3> The expression for Absorption law is given by: a) A + AB = A b) A + AB = B c) AB + AA' = A d) A + B = B + A

4> The output of an EX-NOR gate is 1. Which input combination is correct? a) A = 1, B = 0 b) A = 0, B = 1 c) A = 0, B = 0 d) A = 0, B' = 1.

5> The output of an EX-NOR gate is 1. Which input combination is correct? a) A = 1, B = 0 b) A = 0, B = 1 c) A = 0, B = 0 d) A = 0, B' = 1.

GROUP B(3 X 5)

6> Explain the major properties of Boolean algebra

7> Discuss the classifications of FET devices.

8> Classify the logic families based on its operation