

## 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

- 1> The expression for Absorption law is given by: a)  $A + AB = A$  b)  $A + AB = B$  c)  $AB + AA' = A$  d)  $A + B = B + A$   
2> A variable on its own or in its complemented form is known as: a) Product Term b) Literal c) Sum Term d) Word  
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> A variable on its own or in its complemented form is known as: a) Product Term b) Literal c) Sum Term d) Word  
5> Which of the following is not a sequential circuit? 1) Flip-Flop 2) Counter 3) Shift register 4) Multiplexer  
GROUP B 6> Explain the process of converting SOP to SSOP and POS to SPOS.  
7> Discuss the classifications of FET devices.  
8> Explain the method of Boolean expression minimization using K MAP for 3-variable.
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