

Mid Sem Question Paper

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| 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

Normal form is known as: a) Product Term b) Literal c) Sum Term d) Word [3, 3, 3, 3, 3]
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Simplify by: a) $A + AB = A$ b) $A + AB = B$ c) $AB + A\bar{A}\bar{A}' = A$ d) $A + B = B + A$ [2, 2, 2, 2, 2]
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-----6> Explain the method of Boolean expression minimization
7> Explain the major properties of Boolean algebra [1] [5]
Explain the method of Boolean expression minimization using K MAP for 3-variable. [1]
