

Mid Sem Question Paper

Name of the program:	B.techBTech	Semester:	I
Course/Subject Name:	Course/Subject Code:		
Maximum Marks:	20	Time Duration:	2 Hrs
Total No. of Questions:	5	Total No of Pages:	2

Mid sem question paper

- 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) $A = 0, B = 1$
- 2> ??? \hat{A}^{TM} ?
- 3> For example, $3 \times \hat{A} - 5 = 16$ is an equation.
- 4> 3 bits full adder contains a) 3 combinational inputs b) 4 combinational inputs c) 6 combinational inputs d) 8 combinational inputs
- 5> The expression for Absorption law is given by: a) $A + AB = A$ b) $A + AB = B$ c) $AB + AA\hat{A} = A$ d) $A + B = B + A$
- 6> Explain the major properties of Boolean algebra
- 7> Discuss the classifications of FET devices.
- 8> Classify the logic families based on its operation
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