

Mid Sem Question Paper

Name of the program:	BTech	Semester:	I
Subject Name	Engineering Chemistry-SCY41106	Subject Name	Engineering Chemistry-SCY41106
Maximum Marks:	20	Time Duration:	2 Hrs
Total No. of Questions:	8	Total No of Pages:	2

Mid sem question paper

GROUP A(1 X 5)

- 1> Which of the following is not a sequential circuit? 1)Flip-Flop 2)Counter 3)Shift register 4)Multiplexer
2> The expression for Absorption law is given by: a) $A + AB = A$ b) $A + AB = B$ c) $AB + AA' = A$ d) $A + B = B + A$
3> A variable on its own or in its complemented form is known as: a) Product Term b) Literal c) Sum Term d) Word
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> A variable on its own or in its complemented form is known as: a) Product Term b) Literal c) Sum Term d) Word

GROUP B(3 X 5)

- 6> Classify the logic families based on its operation
7> Explain the major properties of Boolean algebra
8> Explain the process of converting SOP to SSOP and POS to SPOS.
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