

Mid Sem Question Paper

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

GROUP A(1 X 5)

1> For example, $3x - 5 = 16$ is an equation.

2> ???™?

3> nan

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

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> Explain the process of converting SOP to SSOP and POS to SPOS.

8> Explain the method of Boolean expression minimization using K MAP for 3-variable.

----- The End -----