

## Mid Sem Question Paper

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|-------------------------|-----------------------|--------------------|----------|
| Name of the program:    | BTech                 | 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        |

### Mid sem question paper

#### GROUP A(1 X 5)

1> ???™?

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

3> nan

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> 3 bits full adder contains a) 3 combinational inputs b) 4 combinational inputs c) 6 combinational inputs d) 8 combinational inputs

#### GROUP B(3 X 5)

6> Explain the major properties of Boolean algebra

7> Discuss the classifications of FET devices.

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

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