

Answer key/ Marking Scheme Mid sem exam

Engineering Chemistry (Oct. 2017) Group A

Q.1 Multiple Choice Questions.	Marks
1. d. NaCl	01
2. C. Ca(OH) <sub>2</sub>	01
3. C. 2	01
4. B. Ferrous	01
5. a. 303°C	01
6. b. Sublimation curve	01
Q.2	
a. Zeolite Process	
➤ Definition of softening of water	01
➤ Reaction and process	02
➤ Diagram	02
➤ Advantages and disadvantages	01
b. Sulphur system	
➤ Phase diagram	02
➤ Explanation of Curves	02
➤ Explanation of Areas	01
➤ Explanation of Triple points	01
Q.3	
a. COD	
➤ Definition of COD	01
➤ Reactions	01
➤ Process of determination of COD	02
b. Phase rule	
➤ Phase rule equation	01
➤ Definition of phase	01
➤ Examples of phases	02
c. Types of Water	
➤ Soft water	01
➤ Hard water	01
➤ Temporary Hard water	01
➤ Permanent Hard water	01