**Printed Page:-**

Roll No.

## NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA

(An Autonomous Institute)

## Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

**B.Tech** 

## FIRST YEAR (SEMESTER-II) THEORY EXAMINATION (2020-2021)

(Subjective Type)

Subject Code: AAS0202 Subject: Engineering Chemistry Max. Mks. : 30

Time : 50 Minutes

**General Instructions:** 

All questions are compulsory.

Question No. 1 to 15 are subjective type question carrying 3 marks each. Attempt any 10 out of 15 questions.

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Туре	Difficulty
	Give the formula to calculate % of C & amp; H by ultimate analysis?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
2	What is Dulong's Formula?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
3	How do you calculate GCV of solid or liquid fuel?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
4	What is metastable condition?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
5	What is a representation of Graham Salt (Calgon)?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
6	What happens when temporary hard water is boiled? Give equation?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
7	Why Air Bags are important safety features in Motor vehicles?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant

Q.No	Question Content	Question Image	Category	Sub Category	Marks	Options Randomization	Туре	Difficulty
8	What is sacrificial anodic protection?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
9	Discuss any two methods of corrosion control		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
10	Define the polymer composite materials?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
11	What is the risk of using a hand sanitizer that contains methanol (wood alcohol)?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
12	Define the term Tacticity?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
13	What is chemical shift value?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
14	What is auxochrome?		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant
15	The range of Finger print region is		Attempt any 10 questions	10 x 3=30	3		Subjective	Brilliant