

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT

TEST -3 EXAMINATION- 2024

B.Tech-IIIrd Semester (CE)

COURSE CODE (CREDITS): 18B11CE311

MAX. MARKS: 35

COURSE NAME: Chemistry

COURSE INSTRUCTORS: Dr. Poonam Sharma

MAX. TIME: 2 Hours

Note: (a) All questions are compulsory.

(b) The candidate is allowed to make Suitable numeric assumptions wherever required for solving problems

Q.No	Question	CO	Marks
Q1	(a) Discuss the characteristics of Refractories	IV	3
	(b) Describe the raw materials for manufacturing of glass.	IV	3
Q2	(a).Recent advances have been made in ceramics which include bioceramics. Justify the statement by giving example.	IV	3
	(b).Paint is a mechanical dispersion mixture of many ingredients. Justify.	III	3
	(c). Explain different types of forces responsible for various crystals	I	3
Q3	(a). How Galvanic corrosion is different from electrochemical corrosion?	III	3
	(b). Proper designing can leads to prevention of corrosion.	III	3
	(c). Explain the applications of Environmental chemistry	V	3
Q4	(a).How many moles of Na_2CO_3 are there in 10.0 L of 2.00 M solution?	II	3
	(b). Zeolites as molecular sieves have many applications. Justify	II	3
	(c). Elucidate the electroplating process.	IV	5