

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2021-COURSE)
B. Tech. Sem - II CIVIL :SUMMER- 2022
SUBJECT : APPLIED CHEMISTRY

Day : Thursday
Date : 28-07-2022

S-24039-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Use of non-programmable calculator is **allowed**.
 - 4) Assume suitable data **WHEREVER** necessary.
-

Q.1 What are the different types of corrosion? Explain in detail galvanic corrosion. (10)

OR

Q.1 Discuss the process of galvanization of Iron. How does it prevent the corrosion of Iron? (10)

Q.2 What are zeolites? How do they function in removing hardness of water? What are the limitations of zeolite process? (10)

OR

Q.2 Explain in detail hot lime soda process for water softening. (10)

Q.3 What is green house effect? Give two examples of green house gases. (10)

OR

Q.3 Discuss ozone depletion and causes of acid rain. (10)

Q.4 Give the construction and working of solar cell. (10)

OR

Q.4 Explain in brief construction and working of dry cell. (10)

Q.5 Define cement. Explain in brief manufacturing of Portland cement by wet process. (10)

OR

Q.5 How cements classified? What are the properties of Portland cement? (10)

Q.6 Why is heat treatment given to steel? Discuss process of annealing of steel. (10)

OR

Q.6 Give the chemical composition, properties and applications of Brass and Steel. (10)
