

S.B. Roll No.....

APPLIED CHEMISTRY-II
2nd Exam/Common/4553/Jan'2022
(FOR 2018 BATCH ONWARDS)

Duration: 1.15Hrs.

M.Marks:25

SECTION-A

Q1. Attempt any five questions.

5x3=15

- i. Differentiate between roasting and calcination.
- ii. What are the purposes of making alloys?
- iii. Distinguish between corrosion and erosion.
- iv. State and explain Pilling-Bedworth rule.
- v. What are the characteristics of a good fuel?
- vi. Give the composition and uses of the following: a) Producer gas b) Water gas c) Biogas.
- vii. What are the functions of lubricants?
- viii. What is viscosity? What are its units?
- ix. What are the characteristics of a good varnish?

SECTION-B

Attempt any one question.

1x10=10

- Q2.** i) Explain froth floatation process for concentration of sulphide ores.
ii) Define a) Mineral b) Ore c) Metallurgy d) Gangue e) Flux.
- Q3.** i) Distinguish between thermoplastics and thermosetting plastics.
ii) Explain homopolymers and co-polymers with examples.
- Q4.** What are the advantages of gaseous fuels over solid and liquid fuels?
- Q5.** What are the factors affecting rate of corrosion?