

Date: 07-10-2019

Internal test - October, 2019

Marks:25

Monday

Time: 11:00 AM to 12:15 PM

Q-1 Chose the correct option among the following:

(5)

(1) Which solvent does not undergo self-ionisation?

- (a) NH_3 (b) CCl_4 (c) HF (d) SO_2

(2) Nitrolim is a mixture of:

- (a) $\text{CaCO}_3 + \text{N}_2$ (b) $\text{Ca}(\text{OH})_2 + \text{N}_2$ (c) $\text{CaC}_2 + \text{NH}_3$ (d) $\text{CaCN}_2 + \text{C}$

(3) ___ is the mechanical process of making a large number of similar articles economically.

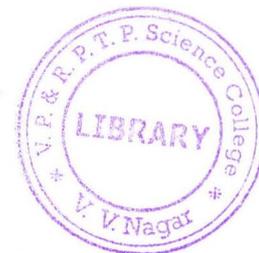
- (a) Slit Casting (b) Jollying (c) Kneading (d) None of these

(4) In acidic phosphate glasses all boron atoms are ___ coordinated.

- (a) Tri (b) Tetra (c) Mono (d) Di

(5) Which one among the following is an inorganic polymer of sulphur?

- (a) Sulphate (b) Sulphide (c) Sulphite (d) Persulphide



Q-2 Discuss the classification of Lewis acids.

(5)

OR

Q-2 Describe liquid ammonia as a non aqueous solvent according to the following criteria:

(5)

- (a) Reaction of ammono acids
(b) Redox reactions
(c) Metal-ammonia solutions and their reactions

Q-3 Give the preparation, properties, uses and structure of Silicon Carbide.

(5)

OR

Q-3 Give the brief account on structure of hydrogen peroxide.

(5)

Q-4 Describe regenerative tank furnace in detail.

(5)

OR

Q-4 Write short note on: Application of colour to pottery.

(5)

Q-5 Describe classification of Silicones.

(5)

OR

Q-5 How does borazine differ from organic benzene? Describe under its chemical properties.

(5)

All the best