

VITHALBHAI PATEL & RAJRATNA P.T. PATEL SCIENCE COLLEGE  
VALLABH VIDHYA NAGAR  
PETROLEUM TECHNOLOGY

T.Y. B.Sc. SEM: V

INTERNAL TEST

DATE:03/10/2019

SUB: INDUSTRIAL CHEMISTRY

TIME:11.00 am to 12:15 pm

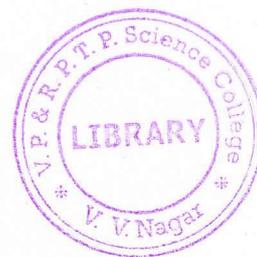
SUB CODE: US05CICV02

MARKS: 25

Q.1 Multiple choice question.

[05]

- 1) In yellow phosphorous manufacturing, the furnace gases pass into coolers where the vapors are liquefied and separated from the?  
(a)  $\text{CO}_2$  (b)  $\text{NH}_3$  (c)  $\text{CO}$  (d) None of these.
- 2) After blending, iodized salt will contain 0.01% of?  
(a) Sodium thiosulfate (b) Sodium carbonate  
(c) Potassium iodide (d) None of these.
- 3) Dehydration of perchloric acid produce?  
(a) Chlorous acid (b) Dichlorine heptoxide  
(c) Sodium perchlorate (d) Ammonium perchlorate.
- 4) What is the oxidation state of chromium in chromic acid?  
(a) +3 (b) +4 (c) +6 (d) -6
- 5) Ninhydrin is used for detecting?  
(a) Ammonia (b) Phenol (c) Protein (d) None of these



Q2. With the help of flow diagram explain the manufacture of Ammonia.

[05]

OR

Q2. With the help of flow diagram explain the manufacture of super phosphate.

[05]

Q3. Write a note on Raney nickel catalyst.

[05]

OR

Q3. Write a short note on Sodium thiosulfate.

[05]

Q4. With the help of flow diagram, explain the manufacture of lithium aluminium hydride. [05]

OR

Q4. With the help of flow diagram, explain the manufacture of oxalic acid.

[05]

Q5: With the help of flow diagram explain the manufacture of chloroform.

[05]

OR

Q5. Explain the preparation, properties and uses of potassium bromide.

[05]