

QP CODE: 19102029



Reg No :

Name :

B.Sc. DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Third Semester

B.Sc Chemistry Model III Petrochemicals

CORE COURSE - CH3PCT04 - MANUFACTURE OF PETROCHEMICALS-I

2017 Admission Onwards

22A8AF9A

Maximum Marks: 60

Time: 3 Hours

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Which alcohol is termed denatured spirit?
2. Write the reaction employed in the production of acrylamide.
3. Name the material added to natural rubber to decrease the electrical resistance.
4. Name the material used as a pigment and reinforcing phase in automobile tires.
5. Write the physical properties of hydrogen cyanide.
6. Which compound is used as a dry cleaning solvent?
7. Which chloromethane is used in plastic welding?
8. Write the formula for chloroform.
9. Which compound is used in the sterilization of equipments in food processing plant?
10. Name the coolant used in car engines.
11. Write the chemical equation for the oxidation of alcohol.
12. Which organic acid has the largest demand in the manufacture of vinylacetate monomer?

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Write the chemical equation when methane and ammonia reacts in presence of oxygen?
14. What is shawinigan process?explain.





15. What are the uses of methyl di chloride?
16. What are the uses of carbon disulphide?
17. What are the property of acetylene?
18. Explain the production of ethanol .
19. Write the molecular formula of monoethanol amine?and what is its importance in the production of soft drinks.
20. What are the uses of styrene?
21. What is polymerization?write one polymerization product of vinyl chloride?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Describe the method to produce hydrogen cyanide using andrussow process with flow chart?
23. What is pyrolysis?explain the wulff production process with flow chart?
24. Write and explain different manufacturing process of ethanol?
25. Write the chemical equations for the production of acrylonitrile?

(2×10=20)

