

QP CODE: 19101369



Reg No :

Name :

B.Sc DEGREE (CBCS) EXAMINATION, MAY 2019

Fourth Semester

B.Sc Chemistry Model III Petrochemicals

Core Course - CH4PCT06 - PETROLEUM INDUSTRIES IN INDIA

2017 Admission onwards

FBD75725

Maximum Marks: 60

Time: 3 Hours

Part A

Answer any **ten** questions.

Each question carries **1** mark.

1. Give one use of solar energy
2. Give any one disadvantage of wind energy.
3. What is meant by nuclear fusion?
4. Expand the term IPCL, NOCIL, GAP, and GOP
5. What is the full form of ONGC
6. Name the largest Indian petroleum reserves
7. Write down the preparation of Ziegler catalyst
8. What is the role of polymers as catalyst?
9. Sulphur dioxide pollutes our air. Justify the statement
10. Name the Greenhouse gases in the atmosphere.
11. What do you mean by global warming.
12. What is the range of pH for sea water.

(10×1=10)

Part B

Answer any **six** questions.

Each question carries **5** marks.

13. Name two conventional energy sources. Discuss their disadvantages.
14. Write a short note on tidal energy.
15. What is Geothermal energy? What are the advantages and challenges of Geothermal energy?
16. Outline about Reliance industries limited and Indian oil
17. Discuss the future of petrochemical industry





18. Write briefly on reformation and reforming catalyst used in petrochemical industry
19. Discuss briefly on refinery pollution.
20. Describe the different sources of air pollution and their impact on environment.
21. What do you know about National standards of water pollution?

(6×5=30)

Part C

Answer any **two** questions.

Each question carries **10** marks.

22. Assess non-conventional energy sources
23. Briefly explain the general cost consideration about to start a petrochemical industry
24. Write a note on different types of catalysts used in petroleum industry. Specifying their applications and catalytic activities
25. Discuss in detail the pollution from petroleum industry.

(2×10=20)

