

Question Bank (G scheme)

Name of subject: **Petro Chemical Technology**
Subject code:17651
Semester: VI

Unit Test :I
Course : CH

Chapter-1.Introduction to petroleum refining (14Marks)

3 marks question

1. Give the composition of crude oil?
2. Define refinery & give the types of refinery?
3. List the names of six major crude oil producing countries in the world with their percentage share in world crude oil production.
4. What is OPEC? What are its objectives?
5. Why crude oil is called black gold? What are its advantages and disadvantages over other energy sources
6. Give the strength and weakness of Indian petrochemical industry.

4 marks question

7. List the name, location & capacity of any four Indian refineries?
8. Give any four characteristics of crude oil?
9. Explain any four factors affecting the prices of crude oil?
10. Give the difference between petroleum refinery and petrochemical industry .

Chapter-2.Refining (22Marks)

3 marks question

11. List the names of three unit operations involved in refining process?
12. Give the classification of crude.
13. Give uses of each of the following products:
i)Jet Fuel ii)Naphtha iii)Motor gasoline
14. Give the importance of vacuum distillation in crude oil refining

4 marks question

15. Explain the electric desalting method carried out in crude oil refinery?
16. What are the fractions obtained from crude oil distillation? State their boiling point range?
17. Describe the working of vacuum distillation unit.
18. Explain any one method for dehydration of crude oil.
19. Explain atmospheric distillation of crude oil?

Chapter-3.Unit processes in refineries (14Marks)

3 marks question

20. Define octane number. What does it indicate?
21. Define flash point and fire point
22. Define ignition temperature and calorific value of fuel
23. Define drop point and pour point.

4 marks question

24. Explain hydrogenation carried out in petroleum refining.
25. What is cracking?. Give the types of cracking?what is the difference between them.