



## 2 MARK QUESTION BANK



### UNIT - I

1. Mention the various structures of petroleum?
2. List out the final products obtained after petroleum refining?
3. What is meant by thermal cracking?
4. Mention the stages involved in petroleum refining
5. What is meant by polymerization?
6. Write short note on Blending.
7. Mention the stages involved in manufacturing of oil.
8. What is meant by isomerisation?
9. Write short note on alkylation.

### UNIT - II

1. Define friction energy
2. Mention the effect of compression ratio on engine friction
3. List out the various engine phenomena that affects engine friction
4. Is it possible to use lubricant oil for cooling? Justify your answer.
5. Mention the effect of engine speed on engine friction
6. What is meant by hydrodynamics lubrication?
7. Write short note on boundary lubrication
8. What is meant by bearing lubrication?
9. Mention the functions of lubricating system
10. Write short note on design of lubrication system

### UNIT - III

1. Mention the specific requirement of lubricants
2. List out the types of lubricants
3. Mention the reason for the degradation of lubricant
4. List out the advantages of synthetic lubricant.



## 2 MARK QUESTION BANK



5. Mention any four properties of Lubricating oil
6. Write short note on synthetic lubricants
7. What is meant by additive?
8. Mention the test done in grease.
9. List out the properties of grease
10. Write short note on practical application of grease

### UNIT - IV

1. Write short notes on relative density
2. Define Calorific value
3. What is meant by Aniline point?
4. Define flash point.
5. What is meant by fire point?
6. What is vapour pressure?
7. Write short note on Spontaneous ignition temperature.
8. What is meant by diesel index?
9. Define pour point.
10. Write short note on Copper strip corrosion test.

### UNIT - V

1. What are the stages involved in SI Engine combustion.
2. List out the stages involved in CI Engine combustion.
3. Define knocking.
4. What is meant by octane rating?
5. Write short note on cetane rating
6. What is meant by additive?
7. Mention the requirements of additives.
8. List out few petrol additives.
9. Mention some of the diesel fuel additives



## 2 MARK QUESTION BANK



10. Analyse the role of additives in fuel.