Question Bank (G scheme)

Name of subject :applied chemistry **Unit Test :II**
Subject code: 17203 **Course : ME**
Semester: II

2 mark questions

1) Define fuels. How they are classified?
2) Define calorific value of ignition temperature of a fuel.
3) Give percentage of carbon and calorific value of each type of coal.
4) What is importance of petroleum?
5) What is petroleum? Give the classification according to its composition.

3 mark questions

1) What are characteristics of fuels?
2) How moisture content of coal is analysed?
3) How ash content of coal is analysed?
4) Give composition properties and use of
   a) C.N.G or
   b) L.P.G or
   c) Biogas
5) what are the different types of coal give their percentage of carbon with properties and application

4 mark questions

1) Write difference between solid and liquid fuels.
2) What is refining by drawing a suitable diagram. Explain refining of petroleum.
3) What is importance of proximate analysis?
4) State with temperature range , composition colorific value and user of different functions of refining of petroleum?
5) Explain the fractional distillation method of crude petrolium .

Chapter 4:- Lubricants(2^{nd} test)

2 mark questions

1) Define neutralization number and saponification value.
2) Give function of lubrication in I.C engine
3) Define viscosity and viscosity index.
4) Define lubricant. Give its classification.

3 mark questions

1) Why water is used as coolent or lubricant?
2) What are the functions of lubricants?
3) Write difference between flash point and fire point.
4) Write difference between cloud point and pour point.

4 mark questions

1) Give properties and uses of graphite as solid lubricant.
2) What is boundary lubrication? Explain the process by drawing a suitable diagram?
3) State the process of lubrication which is used for delicate instruments. Explain the process by drawing a suitable.
4) Match the following

1) Sewing machine	a) mineral oils
2) Railway track	b) vegetable oils
3) Railway axle boxes , wire ropes	c) molybdenum disulphide
4) I.C engine	d) palm oil
5) Steam engine	e) grease

5) Give properties and uses of silicones.