

SATISH CHANDRA MEMORIAL SCHOOL

PRACTICE TEST

SCIENCE

CLASS VIII

1. Boiling points of three immiscible liquids P, Q and R are 200, 40 and 170 degree Celsius, respectively. Mention the liquid that will be obtained first during fractional distillation and mention which will be the residual one. (2)
2. X is a fossil fuel which is formed from land plants by a very slow process Y. When X is heated in the absence of air, i.e. in the process called Z, it gives four products A, B, C and D. A is used as a reducing agent in extraction of metals, B is used as an industrial fuel, C has been traditionally used for metallurgy and now replaced by Bitumen and D is a basic substance. (2)
 - a) Identify the process Y and Z.
 - b) Identify the products A, B, C and D.
3. Based on your knowledge of composting, suggest a method of preparing compost at home. Explain how it can be used to support the growth of plants at home or in your neighbourhood. (2)
4. Shashank advises his friend Raghav not to grow the same type of crop (cash crop) in his field over several years to gain more money. Explain the consequences of growing one type of crop in a field for a long time. (2)
5. Boojho was asked to cook rice. He had the option of using cow dung cake, coal or LPG as fuel for cooking. State which fuel would he prefer and give reason for your answer. (2)
6. Calculate the surface area of an object which experiences a pressure of 500 Pa by a force of 100 N. (2)
7. Paheli watched grandmother making mango pickle. After she bottled the pickle, her grandmother poured oil on top of the pickle before closing the lid. Paheli wanted to know why oil was poured? Can you help her understand the reason. (2)
8. Give an example to justify that removal of one species from environment would drastically affect the existence of another. (2)