

T3-Coal And Petroleum
Model Question Paper VIII
8th Standard

Science

Reg.No. :

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I. Answer all the questions

Time : 01:30:00 Hrs

Total Marks : 35

5 x 1 = 5

Part-A

- 1) Which type of coal has high content of carbon?
(a) lignite (b) peat (c) bituminous coal (d) anthracite coal
- 2) Which type of coal is used in the household?
(a) lignite (b) peat (c) bituminous coal (d) anthracite coal
- 3) Naphthalene ball is obtained from
(a) coal gas (b) coke (c) coal tar (d) liquor ammonia
- 4) Fuel that is used in jet air craft
(a) petrol (b) petroleum gas (c) kerosene (d) diesel
- 5) Which of these is a fossil fuel?
(a) wood (b) paper (c) petroleum (d) phosphorus

Part-B

5 x 1 = 5

- 6) The expansion of LPG is_____
- 7) The expansion of CNG is_____
- 8) Natural gas contains mainly_____
- 9) _____is the primary source of energy
- 10) The process of separating individual liquids, from the mixture of liquids which differ in their boiling point is called _____

Part-C

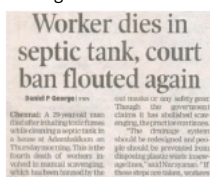
5 x 2 = 10

- 11) Ram's family cooks food quickly as they use LPG gas. Murugan's family takes a longer time to cook food. What could be the reason?
- 12) What do you understand by the term carbonisation?
- 13) Point out the difference between coal and coke
- 14) The boiling point of three components A, B and C of petroleum are 120°C, 70°C, 250°C respectively. If a mixture of these three is fractionally distilled, which of these will be obtained at the bottom of the distillation column?
- 15) Types of coal and the percentage of carbon in each type is given below. Which type should be used to get high heat energy?
Lignite - 25 to 35% carbon
Bituminous - 45 to 86% carbon
Anthracite - 87 to 97% carbon

Part-D

5 x 3 = 15

- 16) Countries like Dubai, Saudi Arabia, Abu Dhabi etc. have become very rich in recent years. What could be the reason?
- 17) You might have read news items such as the one given below What is the reason for the tragedy? List out the precautionary measures



- 18) Workers in coal mines use battery operated torch lights instead of lanterns. Find out the reason for doing so
- 19) LPG can be lit with a gas lighter whereas wood can not be lit using a gas lighter, why is it so?
- 20) Collect various petroleum products and display them in your class. (any five)
