

MM. – 30
Time: 1 hr

1. The process of formation of coal from dead vegetation is called _____.

1

2. A petroleum product used for road surfacing: _____.

1

3. Which one of the following is not a fossil fuel?

1

- a) Coal
- b) Wood
- c) Petroleum
- d) Natural gas

4. Coal, petroleum and natural gas are inexhaustible natural resources. T/F.

1

Assertion and Reasoning:

2

- a) Both A and R are true, and R is the correct explanation of A
- b) Both A and R are true, but R is not the correct explanation of A
- c) A is true, R is false
- d) A is false, R is true

5. **Assertion (A):** Fossil fuels should be used judiciously.

Reason (R): Fossil fuels are limited and cause pollution.

6. **Assertion (A):** Natural gas is considered an eco-friendly fuel.

Reason (R): It produces large amounts of smoke and leaves behind ash after burning.

7. Give one use each of coke and coal tar.

1

8. What is meant by the term "natural resources"? Give two examples.

2

9. Write two reasons why petroleum is also known as "black gold".

2

10. Define:

2

- a) Exhaustible natural resources
- b) Petrochemicals

11. Read the paragraph and answer the questions below:

3

Ravi read an article about how fossil fuels are formed over millions of years from the remains of dead plants and animals. He also learnt that petroleum is separated into useful components at refineries and is used to produce fuels and raw materials for many industries.

a. Why are fossil fuels considered non-renewable?

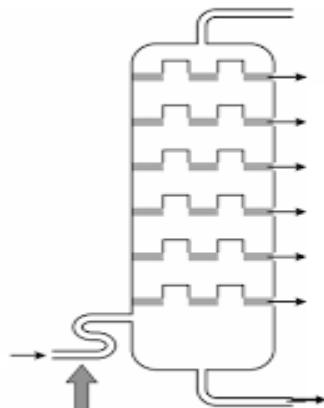
b. What is the name of the process by which petroleum is separated into its components?

c. Name one component obtained from petroleum and its use.

12. The diagram below shows the fractional distillation of petroleum.

Label any three fractions and mention one use of each.

3



13. Describe the formation of coal. Why is it considered a fossil fuel?

3

14. List any three harmful effects of burning fossil fuels on the environment.

3

15. Suggest three steps you would take as a student to reduce the use of

fossil fuels in daily life.

3