

# DELHI PUBLIC SCHOOL, JAMMU

Date: 22nd November ,2021

**CLASS: VIII**

**SUB: SCIENCE**

**Topic: SYNTHETIC FIBRES AND PLASTICS & COAL AND PETROLEUM**

**Based on your understanding of the E- Lectures-cum-PPT's, video links and other e-resources shared with you, answer the following questions.**

**Q1.** Multiple choice questions

- (a) Petroleum is mainly a mixture of which one of the following class? (1)  
(a) Carbohydrates (b) Carbogens  
(c) Hydrocarbons (d) Alcohols
- b) Rayon is different from synthetic fibres because: (1)  
(a) it has a silk-like appearance. (b) it is obtained from wood pulp.  
(c) its fibres can also be woven like those of natural fibres. (d) all of these

**Q2. Choose the correct option:** (1)

**i) Assertion (A):** Bakelite is used for making electrical switches.

**Reason(R):** Bakelite is a poor conductor of electricity.

- 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 but R is false.  
D. A is false but R is true.

**Q3.** Explain why plastic containers are favoured for storing food. (2)

**Q4** 'Avoid plastics as far as possible'. Comment on this advice. (2)

**Q5.** What are the advantages of using CNG and LPG as fuels? (2)

**Q6.** Explain the difference between thermoplastic and thermosetting plastics. (3)

**Q7.** Read the following paragraph and answer the questions. (3)

Petroleum is a mixture of several hydrocarbons. It also contains water, salt and rocky materials. It cannot be used in this made from either as a fuel or a basic material to produce other useful components. Before being put to use, it has to be purified or refined. The process of separating the various components of petroleum from one another is known as the refining of petroleum. This is done by a process called fractional distillation which is based on the fact that the different components of petroleum have distinctly different boiling points.

(a) Why petroleum is called a fossil fuel?

(b) What is meant by refining of petroleum and where is it done?

(c) How can petrol be used?

**Q8.** What is meant by destructive distillation of coal. Explain in detail the products of coal. (5)

**You-tube links:**

1. <https://youtu.be/3WNOGPMIQdkte>

2. [https://youtu.be/n\\_dYm9aTxkw](https://youtu.be/n_dYm9aTxkw)

3. <https://youtu.be/Js5bwp-nuSY>

4. <https://youtu.be/SUC4-Bm7t64>

**1. Due Date of Submission: 29<sup>th</sup> November, 2021**

**2. Send your answers here:**

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**3. Students must mention their name, class/section and date in their assignments.**

**4. Your assignment will be marked for Internal /Term assessments. Therefore, it is necessary for you to submit it on time.**