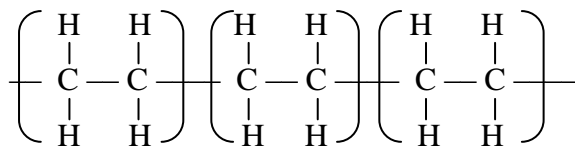


- 05) To make non – stick cooking pans and snow shoes, we use.
- i) Teflon ii) PVC iii) Polythene iv) Rubber
- 06) What is a "Polymer"?
- i) Very large molecule formed from linking together, a large number of small molecules.
 ii) Small molecules contributing to form polymers.
 iii) The basic structural unit contained in a polymer.
 iv) a compound derived by the displacement of the four hydrogen atoms in ethane and fluorine.
- 07) In alkenes bonds are located between carbon atoms.
- i) Single ii) Double iii) Triple iv) No
- 08) Formula for tetrafluorethene is,
- i) C_2HCl ii) CH_2OH iii) C_2F_4 iv) CH_4
- 09) LP gas is a mixture of,
- i) Propane and butane ii) propane and cellulose
 iii) Alkyne and sodium iv) Heptane and butane
- 10) The given molecule represents.
- $$\begin{array}{cccc}
 H & CH_3 & H & H \\
 | & | & | & | \\
 C & = & C & - & C & = & C \\
 | & & & & | & & \\
 H & & & & H & &
 \end{array}$$
- i) isoprene ii) butane
 iii) pentane iv) LP gas

STRUCTURED ESSAY QUESTIONS

01) The polymer polythene is given below.



- Write down the repeating unit of polythene
- Write down the formula for the monomer polythene.
- Represent the polymer polythene in short form.
- To which type of hydrocarbon does the polythene belong.

02) Complete the table given.

Object	Features	Name of the polymer	Formula for the monomer unit
Polythene bags			
Water pipes			
Non – stick pans used for cooking			

- What is the definition for polymer.
- Write 4 names of natural polymers.

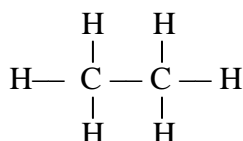
ESSAY QUESTIONS

- 01) Natural rubber is obtained from the latex of the rubber tree.
- What organic compound produces natural rubber on polymerization?
 - What property of rubber latex is measured by the metrolac?
 - Name a chemical substance that can be used to coagulate rubber latex?
 - Elasticity of rubber improved by vulcanization. What is the element mainly used to vulcanize rubber?
 - Illustrate the structure of monomer of rubber.

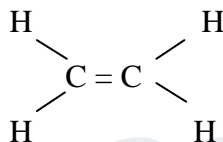
02) The fuel petroleum contain hydrocarbons.

- Write the 3 types of hydrocarbons based on their structure.
- Observe the hydrocarbons given below and write to which it belongs.

a)



b)



- If fluorine (f) is substituted to the given (ii) b structure, write its formula and draw the structural formula.

- Write the name we use to identify it
- What natural polymer is similar with the mentioned polymer.
- Write 2 usages of polythene with their special property used for the task.