



# SARALA BIRLA PUBLIC SCHOOL

Birla Knowledge City, Mahilong, Ranchi

CLASS-VIII (2020-21)

Sub: CHEMISTRY

ASSIGNMENTS-2



## Synthetic fibres and plastics

### Properties and uses of some synthetic fibres

-Rayon: It is obtained by chemically treating wood pulp and cellulose found in plants .It is also known as artificial silk because it is silky lustrous.It is used in making clothing ,home furnishings and bandages.

-Nylon: Nylon is made from coal ,air and water.It is light in weight , wrinkle free and easy to wash. It is used in making socks, umbrellas, tent, toothbrush bristles ,ropes and parachutes etc.

-Polyester: It is obtained from petroleum.It is wrinkle free ,easy to wash. Tereylene and Terrycot are used in making shirts, skirts, floppy disks etc.PET is used in making bottles and utensils.

-Acrylic:It is warm, soft, light and flexible in nature.It it is used in making sweaters , carpets ,socks ,blankets etc so it is used as a substitute for natural wool.

-Spandex: It is also known as lycra . It is stretchable in nature used in making swimming costumes.

-Synthetic fibres are bad conductor of heat and electricity.

-The most effective method to protect the environment from the hazards of plastic is ,by following the 5R principle: Reduce ,Reuse, Recycle, Recover and Refuse.

### Questions;

- 1) Which synthetic fibre is also known as artificial silk?
- 2) Plastics are used in making a cover for electrical wires .Why?
- 3) Name the synthetic fibre used as a substitute of natural wool.
- 4) Why is it not safe to wear garments made of polyester fibres while cooking?
- 5) What is 5 R principle?

