**Pre-mid Term Revision 8th CHEMISTRY**

1) Which of the following is a thermoplastic?
a) Bakelite
b) Melamine
c) PVC
d) All of the above

2) Rayon is different from synthetic fibres because:
a) It has a silk-like appearance
b) It is obtained from wood pulp
c) It is man-made
d) It is used in textile industries

3) I’m made in a lab, not grown on a farm,
Stretchy and strong, I do no harm.
Used in clothes and bottles too,
Guess my name — I’m made just for you!

4)

**Assertion (A):** Polyester is a synthetic fibre.
**Reason (R):** Polyester is made from cellulose obtained from plants.

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.

5) Give one use of melamine plastic.

6) Name one fibre which is made from natural raw material but is still considered synthetic.

7) State two advantages and two disadvantages of synthetic fibres.

8) Why should we not throw plastic bags in water bodies or on the road?

9) What are synthetic fibres? Explain the types with one use of each.

10) Explain why plastic is considered both a boon and a curse.

11) Your friend suggests wearing a polyester shirt for a summer picnic. Do you agree or disagree? Justify your answer with scientific reasoning.

12) A factory uses plastic pipes for carrying hot water but notices frequent damage. What could be the problem, and how can it be resolved using material knowledge?

13) Compare synthetic fibres and natural fibres in terms of durability, cost, and environmental impact. Which one would you recommend for daily wear clothes and why?

14) Imagine all plastic products are banned overnight. List three positive and three negative impacts this would have on daily life.