

SECTION B

8. What are human-made ecosystems ? Give an example. Can a human-made ecosystem become a self-sustaining ecosystem ? Give reason to justify your answer. 3
9. (a) State the reason why
- (i) carbon compounds have low melting and boiling points.
 - (ii) carbon compounds do not conduct electricity.
 - (iii) carbon can form only covalent compounds. 3

OR

- (b) What is a homologous series ? Find the difference in molecular mass between the two consecutive members of a homologous series. State how in a homologous series of carbon compounds the following properties vary with increase in molecular mass : 3
- (i) Melting and boiling points
 - (ii) Chemical properties

