

Name: \_\_\_\_\_

Comprehension

Term 3

Total: 20 marks

**Read the passage carefully.**

5 Trees are the largest and longest living organisms on earth. They serve as the foundation of all food chains. They provide us with the basic essentials of life including food, water, shelter and oxygen. However, their greatest role is to eliminate a vast amount of carbon dioxide from the atmosphere by the process of Carbon Sequestration. Trees adsorb carbon dioxide and put out oxygen.

Forest trees play an active part in the water cycle and supply potable water while contributing to the fertility and stability of the top soil. Coastal ecosystems minimise erosion and wetlands act as a natural filtering and treatment system for waste water runoff, preventing silt accumulation at river mouths.

10 Many people enjoy spending time in the woods camping, fishing, hunting and hiking. Others use forests as a means of livelihood through the harvesting of trees for the lumber industry. We must take care to replace what is removed because a future without trees is deadly for all mankind.

### Questions

**Using complete sentences, answer the following questions.**

1. In what way are trees important to all food chains. (2 marks)
2. Define 'Carbon Sequestration'? (2 marks)

3. Name TWO basic essentials of life that trees provide. (2 marks)
4. State TWO ways that people use the woods for recreation purposes. (2 marks)
5. Give the meaning of the following words as they used in the passage: (2 marks)
- i. eliminate
  - ii. minimise
6. State in ONE sentence why it is important to replace trees that are cut down in the forests. (2 marks)
7. Write antonyms from the passage for each of the following words. (2 marks)
- i. passive
  - ii. artificial
8. Explain what is meant by the phrase 'a means of livelihood'. (2 marks)

9. How do you think forest trees contribute to the stability of the top soil?  
(2 marks)

10. Suggest a suitable title for the passage. (2 marks)