Grasp Excellence

Explore your potential with Grasp Excellence…

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Name:

Time Taken:

Marks (out of 30):

1. ***Answer the following questions: (1 Mark)***
2. What is considered to be the nature of metallic oxides and why?
3. Why is it recommended to always add concentrated acid or base slowly to water while stirring instead of adding water to a concentrated acid or base?
4. Explain why repairing and maintaining structures is necessary in living organisms.
5. Explain Peristaltic Movement.
6. ***Answer the following questions: (2 Marks)***
7. What are indicators? Name two indicators made out of flower petals and two synthetic indicators.
8. The atmospheric gas of Venus was tested by a dry blue and red litmus paper. What colour would the litmus paper turn to? Give reasons for the same. What is the chemical name of the yellowish thick white cloud present in the atmosphere of Venus?
9. List 4 chemical minerals the autotrophs take from the soil.
10. Explain the duel function of enzyme secreted by liver.
11. Ramu Kaka is an uneducated individual, he believed that plants always release O2 and decided to sleep through the night under a tree close to his house to get fresh air. The next day it was discovered that he had passed away. Is there a way this could have been prevented? Could he have been able to serve you a samosa next today had he been alive? Explain why he must have passed away.