

Section B

Answer any **two** questions. You are advised to spend **one hour** in this section.

Your answer should be illustrated by large, clearly labelled diagrams, where appropriate.

Your answer must be in continuous prose, where appropriate.

Up to 4 additional marks are awarded for quality of language.

Your answers must be set out in sections (a), (b) etc, as indicated in the question.

- 10** **(a)** Describe how the properties of triglycerides are related to their functions in the living organism. [5]
- (b)** Explain the roles of water in living organisms. [7]
- [Total: 12]
- 11** **(a)** Describe how sucrose moves from the leaf to sinks e.g. root. [8]
- (b)** Explain the possible functions of transpiration in a plant. [4]
- 12** **(a)** Discuss the importance of interphase during nuclear division. [4]
- (b)** Describe the differences between mitosis and meiosis during prophase and telophase stages. [8]
- 13** **(a)** Describe diagnostic features of bryophytes. [6]
- (b)** Explain the extent to which coniferophytes are adapted to life on land. [6]

