PEAKHURST CAMPUS

SCIENCE

Year 9 2022

Environmental Issues Topic Test

Class / Date of test:

9I Thursday 31/3 P5 **9O** Friday 1/4 P5

9V Thursday 31/3 P5 **9Y** Friday 1/4 P5

9P Thursday 31/3 P5

Weighting: 15%

Task information:

This is a test of the topic Environmental Issues. It covers the knowledge and skills covered in the topic.

The Environmental Issues tick-summary sheet on the reverse of this page outlines the areas of both knowledge and skills covered. Use this to help prepare for the test.

The test will be done partly on computer. You must have logged on to Moodle before the day of the test.

You must also know your school internet login name and password.

Equipment: You need to bring your own equipment to the test. You will need a pen, pencil, rubber, ruler, calculator.

No borrowing of any equipment will be allowed during the test.

You need to submit your class workbook for marking on this day and failure to do so will result in zero book mark for the topic.

Absence: If you are absent on the day of your test, you must bring a note from a parent/guardian explaining your absence and report to your Science teacher on the day you return to school. A suitable time will then be organised for you to do the test.

ENVIRONMENTAL ISSUES

Tick the box when you can:

- ☐ 1. define the terms 'biotic', 'abiotic', 'ecology' and 'ecosystem';
- ☐ 2. classify components of an ecosystem as biotic or abiotic;
- ☐ 3. measure some abiotic features;
- ☐ 4. discuss advantages and disadvantages of digital measuring devices;
- ☐ 5. explain the carbon-oxygen cycle and the nitrogen cycle;
- ☐ 6. explain the importance of cycles of materials in an ecosystem;
- ☐ 7. describe how energy flows through ecosystems;
- ☐ 8. draw and analyse food chains and food webs;
- ☐ 9. explain how species introduced into Australia have affected populations and communities;
- ☐ 10. explain how soil salinisation affects populations and communities;
- ☐ 11. assess firestick farming as a method of conserving and managing sustainable ecosystems;
- ☐ 12. outline the scientific evidence for the enhanced greenhouse effect;
- ☐ 13. give an example of how different groups in society may use criteria differently to make a decision about an environmental issue;
- ☐ 14. evaluate strategies that can be used to balance human activities and needs in ecosystems with conserving, protecting and maintaining the quality of the environment.