



Rewarding Learning

General Certificate of Secondary Education  
2018

Centre Number

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Candidate Number

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# Agriculture and Land Use

Unit 1  
Soils, Crops and Habitats



GAR11

[GAR11]  
TUESDAY 29 MAY, MORNING

### TIME

1 hour 15 minutes.

### INSTRUCTIONS TO CANDIDATES

Write your Centre Number and Candidate Number in the spaces provided at the top of this page.  
Write your answers in the spaces provided in this question paper.  
Answer **all eight** questions.

### INFORMATION FOR CANDIDATES

The total mark for this paper is 75.  
Figures in brackets printed down the right-hand side of pages indicate the marks awarded to each question or part question.  
Quality of written communication will be assessed in Questions **6** and **8**.

For Examiner's use only	
Question Number	Marks
1	
2	
3	
4	
5	
6	
7	
8	

<b>Total Marks</b>	
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1 Look at the photographs below of priority species in Northern Ireland. Identify the bird shown in each photograph.

(a) Draw a line to match the photograph of each bird to its name.



© Pedrosanmar / iStock / Thinkstock

Yellowhammer



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Curlew



© CreativeNature\_nl / iStock / Thinkstock

Barn owl



© Denja1 / iStock / Thinkstock

Lapwing

Red kite

[4]

Examiner Only	
Marks	Remark

**(b)** What is a priority species?

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[1]

**(c)** Name a suitable habitat for a barn owl.

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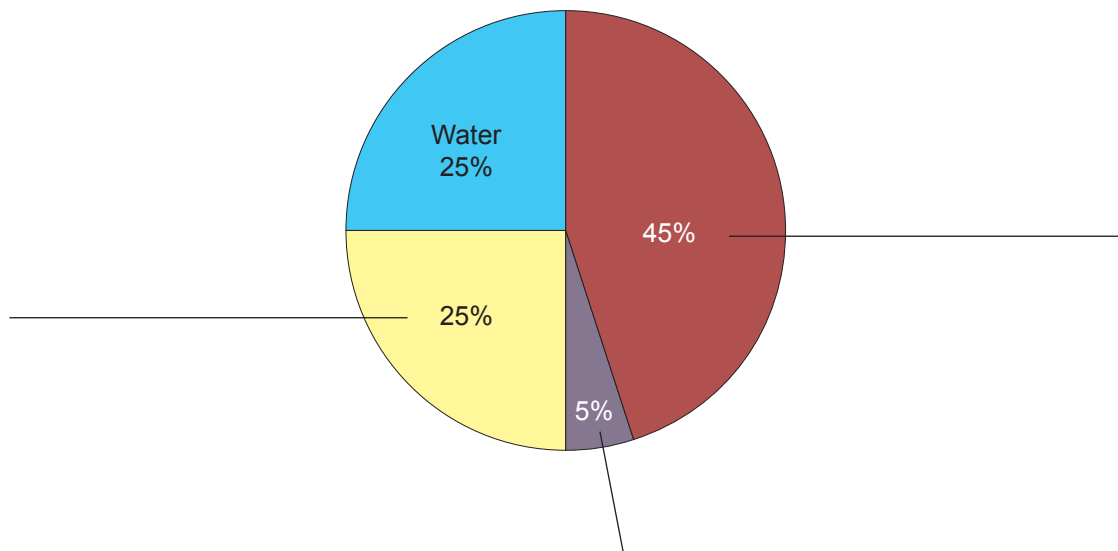
[1]

Examiner Only	
Marks	Remark

- 2 (a) The pie chart below shows the relative proportions of the main components of soil.

Choose words from the list to label the pie chart.

**Organic matter      Rock particles      Nitrates      Air**



Source: Chief Examiner

[3]

- (b) A sample of dry soil was passed through soil sieves. The results are shown below.

Particle type	Mass/g	Percentage (%) mass
Sand	11.4	_____
Silt	5.2	_____
Clay	3.4	17
Total mass	_____	

- (i) Calculate the total mass of the soil.

\_\_\_\_\_ g [1]

Examiner Only	
Marks	Remark





**(b)** Describe how a crop grown in Northern Ireland is stored, processed and distributed from farm to the supermarket.

Crop chosen \_\_\_\_\_

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[3]

Examiner Only	
Marks	Remark

























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