



OXFORD CAMBRIDGE AND RSA EXAMINATIONS

GCSE (FOUNDATION TIER)

**ENVIRONMENTAL AND LAND-BASED  
SCIENCE**

**B492F**

Amenity Horticulture

**Specimen Mark Scheme**

The maximum mark for this test is 36.

This document consists of **3** printed pages.

Question Number	Answer	Max Mark
1	D (AO2)	[1]
2	D (AO1)	[1]
3	A (AO1)	[1]
4	B (AO1)	[1]
5	C (AO1)	[1]
6	A (AO1)	[1]
7	B (AO1)	[1]
8	C (AO1)	[1]
9	C (AO1)	[1]
10	D (AO2)	[1]
11	<p><b>One</b> mark each for any <b>two</b> of the following points (AO2):</p> <ul style="list-style-type: none"> <li>• shade from tree;</li> <li>• not enough light;</li> <li>• hedge prevents maintenance of glasshouse;</li> <li>• leaves from tree will land on roof;</li> <li>• water will run off slope;</li> <li>• may flood glasshouse.</li> </ul>	[2]
12	<p><b>One</b> mark each for any <b>two</b> suitable examples (AO1).  <i>Common names are acceptable.</i></p>	[2]
13	<p>The correct order is (AO1):</p> <ol style="list-style-type: none"> <li>1. hoe of weeds</li> <li>2. dig area well</li> <li>3. firm down soil</li> <li>4. sow the seed (given)</li> <li>5. water well.</li> </ol>	[3]
14	C (AO1)	[1]
15	The F should be dragged and placed over the fuse (on the picture) (AO1).	[1]
16	<p><b>One</b> mark each for <b>two</b> differences based on the following features (AO1):</p> <p>Cylinder mower:</p> <ul style="list-style-type: none"> <li>• blades on revolving cylinder;</li> <li>• can cut grass shorter;</li> <li>• leaves finer clippings;</li> <li>• may or may not be powered.</li> </ul> <p>Rotary mower:</p> <ul style="list-style-type: none"> <li>• flat blade;</li> <li>• spins parallel to ground;</li> <li>• can cut long grass;</li> <li>• is always powered.</li> </ul>	[2]

Question Number	Answer	Max Mark
17	No protective clothes/gloves/mask/breathing apparatus (or similar) (AO2).	[1]
18	H (AO2) D (AO2) H (1) and E (1) (AO2)	[1] [1] [2]
19	Advantage: can grow things out of season/can control conditions (1). (AO1) Disadvantage: more costly/more environmental damage (1). (AO1)	[2]
20	<b>One</b> mark each for any <b>two</b> of the following points (AO1): plant continues from year to year; as buds; on woody stem/corm/rhizome/bulb. Structure: glass/polythene/plant cover (include shape) (1) (AO1). Use: protect plants/warm plants (1) (AO1).	[2] [2]
21	Max <b>two</b> marks each for any <b>two</b> growing methods discussed.  <b>Cloche</b> (AO1) Advantages: moveable/cheap (1). Disadvantages: easily damaged e.g. by wind/only used for small plants (1).  <b>Cold frame</b> (AO1) Advantages: stable/good for pots (1). Disadvantages: permanent/needs daily operations e.g. water/opening lid (1).  <b>Polytunnel</b> (AO1) Advantages: good growing area/control of conditions (1). Disadvantages: liable to wind damage/can become brittle (1).  <b>Glasshouse</b> (AO1) Advantages: stable/easy for auto control of environment (1). Disadvantages: expense/permanent building (1).	[4]
<b>Total</b>		<b>[36]</b>