

Question Number	Answer	Additional Guidance	Mark
<b>5(a)(i)</b>	<ol style="list-style-type: none"> <li>1. {number / range / variety / eq} of species ;</li> <li>2. genetic variety within a species / number of different alleles in a {species / gene pool} ;</li> </ol>	1. ACCEPT amount	<b>(2)</b>

Question Number	Answer	Additional Guidance	Mark
<b>5(a)(ii)</b>	idea of (counting) number of species in a known area of rainforest ;	ACCEPT use a quadrat to count species	<b>(1)</b>

Question Number	Answer	Additional Guidance	Mark
<b>5(b)(i)</b>	<ol style="list-style-type: none"> <li>1. idea that loss of biodiversity means fewer species ;</li> <li>2. idea that the loss of endemic species leads to extinction ;</li> <li>3. idea that species {lost / not yet discovered / eq} may be useful ;</li> </ol>	3. ACCEPT plants lost may be useful	<b>(2)</b>

Question Number	Answer	Additional Guidance	Mark
5(b)(ii)	<p><b>(QWC - Take into account quality of written communication when awarding the following points)</b></p> <ol style="list-style-type: none"> <li>1. extract made from seeds (of Jatoba) / eq ;</li> <li>2. agar plate with bacteria / culture of bacteria grown in nutrient broth / eq ;</li> <li>3. description of aseptic technique ;</li> <li>4. idea of extract (of Jatoba) placed on (paper) disc OR in a well cut into the agar OR added to broth ;</li> <li>5. control described e.g. disc plus solvent only ;</li> <li>6. incubated at temperature in range 20 to 30°C AND stated time in range 1 to 7 days ;</li> <li>7. (look for) zone of inhibition / clarity of broth / eq ;</li> <li>8. replication qualified e.g. { repeat the experiment / repeats to calculate mean } ;</li> </ol>	<p><b>Clarity of expression</b></p> <ol style="list-style-type: none"> <li>1. ACCEPT description</li> <li>2. ACCEPT bacterial lawn</li> <li>7. ACCEPT clear area around extract</li> <li>8. IGNORE repeat unqualified</li> </ol>	(5)

Question Number	Answer	Additional Guidance	Mark
<b>5(b)(iii)</b>	<ol style="list-style-type: none"><li>1. idea of testing on animals for toxicity ;</li><li>2. idea of testing on healthy volunteers to determine side effects ;</li><li>3. idea of finding out how the drug is metabolised ;</li></ol>		<b>(2)</b>