

**Qualification: 0173- 505/005 Level 3 Technicals in Land and Wildlife - Theory Exam**

**June 2018**

1	List <b>four</b> types of countryside recreation activity.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<b>1 mark for any of the following up to 4 marks:</b> <ul style="list-style-type: none"> <li>• Walking <b>(1)</b></li> <li>• Cycling <b>(1)</b></li> <li>• Bird watching <b>(1)</b></li> <li>• Mountain climbing <b>(1)</b></li> <li>• Shooting <b>(1)</b></li> <li>• Fishing <b>(1)</b></li> </ul>	<i>Accept and award marks for any other relevant response</i>	<b>4</b>
2	List <b>three</b> factors that should be considered when organising and planning an outdoor activity.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<b>1 mark for any of the following up to 3 marks:</b> <ul style="list-style-type: none"> <li>• Financial factors <b>(1)</b></li> <li>• Social trends <b>(1)</b></li> <li>• Technology factors <b>(1)</b></li> <li>• Risk assessment <b>(1)</b></li> <li>• Time of year <b>(1)</b></li> <li>• Number of people <b>(1)</b></li> <li>• Impact on the site <b>(1)</b></li> </ul>	<i>Accept and award marks for any other relevant response.</i>	<b>3</b>

3	Describe the impact of The National Parks and Access to the Countryside Act 1949 on countryside recreation.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<b>1 mark for any of the following up to 6 marks:</b> <ul style="list-style-type: none"> <li>• Conserve and enhance the natural beauty, wildlife and cultural heritage. <b>(1)</b></li> <li>• Promote opportunities for the understanding and enjoyment of the special qualities of national parks by the public. <b>(1)</b></li> <li>• Foster the economic and social well-being of local communities within the national park. <b>(1)</b></li> <li>• Protecting and improving access to the countryside <b>(1)</b></li> <li>• Improving coastal access <b>(1)</b></li> <li>• Protecting common land and town and village greens <b>(1)</b></li> </ul>	<i>Accept and award marks for any other relevant response.</i>	6
4	State <b>two</b> political factors that impact on countryside recreation.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<b>1 mark for any of the following, up to 2 marks:</b> <ul style="list-style-type: none"> <li>• Developments in legislation <b>(1)</b></li> <li>• Pressure groups <b>(1)</b></li> <li>• Hunting ban <b>(1)</b></li> </ul>	<i>Accept and award marks for any other relevant response.</i>	2
5	State <b>four</b> different ways of presenting survey data.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<b>1 mark for any of the following, up to 4 marks:</b> <ul style="list-style-type: none"> <li>• written report <b>(1)</b></li> <li>• Pictorial <b>(1)</b></li> <li>• Graph <b>(1)</b></li> <li>• Pie chart <b>(1)</b></li> <li>• Statistical analysis <b>(1)</b></li> <li>• Annotated map <b>(1)</b></li> </ul>	<i>Accept and award marks for any other suitable response.</i>	4

6	For <b>two</b> named practical woodland management activities, describe how <b>each</b> would be undertaken <b>and</b> over what time scale.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<p><b>1 mark for any 2 of the named activities listed below:</b>  <b>2 marks for explanation</b>  <b>1 mark for timescale</b></p> <ul style="list-style-type: none"> <li>• planting/sowing/natural regeneration (trees, shrubs and ground flora)</li> <li>• thinning</li> <li>• clearance</li> <li>• coppice</li> <li>• glade creation</li> <li>• pond creation</li> <li>• dead wood introduction</li> <li>• bird boxes</li> <li>• bat boxes</li> </ul> <p><b>Example:</b></p> <p><b>Named Practical Management Activity:</b> Bird Boxes - <b>1 mark</b></p> <p><b>Activity Explanation: Up to 3 marks from any of the following points</b></p> <ul style="list-style-type: none"> <li>i) Will be built using a plan specific for a bird species</li> <li>ii) Traditionally build with nails and timber, that has been treated to protect it from the weather</li> <li>iii) Bird boxes are best put up during the autumn</li> <li>iv) As birds will enter nest boxes during the autumn and winter, looking for a suitable place to roost or perhaps to feed</li> <li>v) They often use the same boxes for nesting the following spring</li> </ul>	<i>Accept and award marks for any other relevant response.</i>	8
7	Name <b>two</b> mechanised tools used for vegetation clearance within a woodland.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<p><b>1 mark for any of the following up to 2 marks:</b></p> <ul style="list-style-type: none"> <li>• strimmer / brushcutter <b>(1)</b></li> <li>• clearing saw <b>(1)</b></li> <li>• chainsaw <b>(1)</b></li> <li>• flail <b>(1)</b></li> <li>• swipe <b>(1)</b></li> </ul>	<i>Accept and award marks for any other relevant response.</i>	2

8	Explain what maintenance should be carried out on hand tools used in woodland management.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<p><b>Up to 2 marks for the following explanation:</b></p> <p>Hand tools need to have regular maintenance in order for them to work. The three ways they should be maintained is via cleaning, oiling and sharpening.</p>	<p><i>Accept and award marks for any other relevant response.</i></p>	2
9	Discuss how countryside recreation may disturb the biodiversity and historic features of a woodland and suggest ways to monitor the potential changes.		
	<b>Acceptable answer(s)</b>	<b>Guidance</b>	<b>Max mks</b>
	<p><b>Answer:</b></p> <p><b>Band 1: 1 – 3 marks</b> Basic discussion, showing some understanding of ecological significance and historic features, and how countryside recreation may disturb this. There will be little or no specialist terms. Answer may be disorganised and ambiguous.</p> <p><b>Band 2: 4 – 6 marks</b> Some discussion, showing an understanding of ecological significance and historic features, and how countryside recreation may disturb this. Along with some suggestions about how to monitor the potential changes. There will be some use of specialist terms, although they may not always be used appropriately. The information is presented mostly in a structured format.</p> <p><b>Band 3: 7 - 9 marks</b> Thorough discussion, showing a clear understanding of ecological significance and historic features, and how countryside recreation may disturb this. Along with a range of suggested monitoring techniques that could be used. Specialist terms will be used correctly and appropriately. Information will be presented in a structured format.</p>	<p><b>Indicative content</b></p> <ul style="list-style-type: none"> <li>• Identify specific ecology and historic features that could be damaged by countryside recreation</li> <li>• protected species</li> <li>• Physical damage to habitat and historic features.</li> <li>• Changes to eco-system.</li> <li>• Prevention of deterioration of habitat or species</li> <li>• Appropriate monitoring procedures - survey methods - use of technology.</li> <li>• Named recreational activities</li> <li>• Health and safety</li> <li>• Tree safety</li> </ul>	9