

Question Number	Answer
8 (d)	<p>Answers will be credited according to candidate's deployment of knowledge and understanding of the material in relation to the qualities and skills outlined in the generic mark scheme.</p> <p>The indicative content below is not prescriptive and candidates are not required to include all the material indicated as relevant. Additional content included in the response must be scientific and relevant.</p> <ul style="list-style-type: none"> • genetic diversity identified as the variety of alleles in the population • genetic analysis of the frog in the zoo and the frogs in Bolivia / method of analysis • consideration of maintaining genetic {diversity / variation} / reducing inbreeding / {maintain / increase} gene pool • captive breeding / breeding in zoos or in natural habitat • use of stud books (without ref to maintaining genetic diversity) • {conservation of / increase} frog habitat in Bolivia • guidance to local government / raising awareness of need for protected area e.g. national park • conservation in zoos / recreating similar habitat in zoos / protection from predators (in zoos) / food provision • eradication / treatment of {fungal / other} disease • protection from predators (in-situ) • reintroduction of frogs from captive breeding programme • suggested details of method of reintroduction • education of local population in {Bolivia / country where zoo is located}

	<ul style="list-style-type: none"> • research 	(6)	
		Additional guidance	
Level 0	0	No awardable content	
Level 1	1-2	<p>Demonstrates isolated elements of biological knowledge related to the given context with generalised comments made.</p> <p>The description will contain basic information with some attempt made to link knowledge and understanding to the given context.</p>	<p>level 1</p> <p>1 mark – one aspect described</p> <p>2 marks – two aspects described</p>
Level 2	3-4	<p>Demonstrates adequate knowledge by selecting and applying some relevant biological facts/concepts to provide the description being presented.</p> <p>The description shows some linkages and lines of reasoning with some structure.</p>	<p>3 marks – three aspects described</p> <p>4 marks – four aspects described</p>
Level 3	5-6	<p>Demonstrates comprehensive knowledge by selecting and applying relevant knowledge of biological facts/concepts to provide the description being presented.</p> <p>The description is clear, coherent and logically structured.</p>	<p>5 marks – five aspects described</p> <p>6 marks – six aspects described</p>