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Environmental systems and societies Standard level Paper 1

Friday 29 October 2021 (afternoon)

Instructions to candidates

	Car	ıdida	te se	ssior	num	nber	

1 hour

- Write your session number in the boxes above.
- Do not open this examination paper until instructed to do so.
- Answer all questions. Refer to the resource booklet which accompanies this question paper.
- · Answers must be written within the answer boxes provided.
- A calculator is required for this paper.
- The maximum mark for this examination paper is [35 marks].

005504



Ans	wer al	I questions. Answers must be written within the answer boxes provided.	
1.	(a)	With reference to Figures 2(b) and 3, identify an ecosystem found in London.	[1]
	(b)	Outline one factor which limits the primary productivity of an ecosystem in London.	[1]
	(c)	Identify one distribution pattern of green spaces seen in Figure 4(a) .	[1]
	(d)	Outline three ways that London's green spaces are considered natural capital.	[3]



2.	(a)	Usir	ıg Fi ç	gure	5 , c	cons	truct	t an i	dent	ificat	ion k	ey fo	or th	e de	er sp	ecie	s fo	und	in L	ondoı	n.	[3
	(b)		refe															stem	WOI	uld be)	[2



3.	(a)	State one strength and one weakness of using the ecological footprint as a model for measuring sustainability.	[2]
	(b)	State one factor that would allow a region's ecological footprint to exceed its biocapacity.	[1]
	(c)	With reference to Figures 8(a), 8(b) and 8(c) , suggest how urban agriculture could be used to increase the carrying capacity of London.	[3]



4.	(a)	centre of London.	[3]
	(b)	Evaluate one strategy to reduce NO _x emissions from transport.	[3]
	(c)	Identify two potential impacts of improved air quality on London and its population.	[2]



(a)	With reference to Figures 10(a) and 10(b) , suggest one reason why London's recycling rates are lower than in the rest of England.	
(b)	Evaluate the effectiveness of recycling as a waste management strategy for London.	
	hat extent is London a sustainable city? Refer to the information provided in the urce booklet in your answer.	
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Please do not write on this page.

Answers written on this page will not be marked.

