Please write clearly ir	n block capitals.
Centre number	Candidate number
Surname	
Forename(s)	
Candidate signature	I declare this is my own work.

A-level PHYSICAL EDUCATION

Paper 1 Factors affecting participation in physical activity and sport

Time allowed: 2 hours

Materials

For this paper you may use:

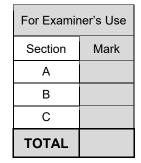
• a calculator.

Instructions

- Use black ink or black ball-point pen. Pencil should only be used for drawing.
- Fill in the boxes at the top of this page.
- Answer **all** questions. You must answer the questions in the spaces provided. Do **not** write on blank pages.
- If you need extra space for your answer(s), use the lined pages at the end of this book. Write the question number against your answer(s).
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 105.
- Questions should be answered in continuous prose. You will be assessed on your ability to:
 - use good English
 - organise information clearly
 - use specialist vocabulary where appropriate.





		Do out
	Section A	
	Applied anatomy and physiology	
	Answer all questions in this section.	
Only one	answer per question is allowed.	
For each	question completely fill in the circle alongside the appropriate answer.	
CORRECT ME	THOD WRONG METHODS 🗴 💿 🚓 ⊄	
If you wa	nt to change your answer you must cross out your original answer as shown.	
If you wis as shown	h to return to an answer previously crossed out, ring the answer you now wish t	o select
0 1	Which one of the following describes spatial summation?	[1 mark]
	A A motor unit being capable of fully contracting or not contracting at all	0
	B A sustained, smooth muscular contraction	
	C Repeated nerve impulses allowing no time for the muscle fibres to relax	
	D The addition of impulses received at different places on the neuron	0
	Measuring energy expenditure can be useful during training.	
0 2	medearing energy experiancie earlie deerdi daring talining.	
0 2	Which one of the following would be most practical to use with a swimmer d	
0 2	Which one of the following would be most practical to use with a swimmer du training session in the pool?	Ū I
0 2	o 1	uring a [1 mark]
0 2	o 1	Ū I
0 2	training session in the pool?	Ū I



0 3 Describe how an increase in carbon dioxide in the blood during exercise would lead to an increased breathing rate. [3 marks] 0 4 Figure 1 shows an athlete performing the downward phase of a press-up. [4 marks] Figure 1 411 JU Position A Position **B** Complete the table for the movement occurring at the elbow as the athlete moves from position **A** to position **B**. Articulating bones at the elbow Main agonist Plane Axis



Turn over ►

Do not write outside the

0 5	If endurance events take place in warm conditions, cardiovascular drift can	occur.	Do not write outside the box
	Analyse how cardiovascular drift may result in lower levels of performance.	[3 marks]	



	Do not write outside the
Evaluate the effectiveness of altitude training for an endurance athlete preparing for a	box
and off avent like the London Marathan	

[8 marks]

one-off event like the London Marathon.

5

roum	ay use this sp	ace to plan y	our answer.	



0 6

Extra s	pace			
	•			







Each of the following athletes uses a different main energy system to resynthesise ATP during a race:

- Athlete A is a 100 m runner
- Athlete B is a 400 m runner
- Athlete C is a marathon runner.

Analyse how **each** of these athletes could use different dietary supplements or manipulation to optimise their performance in a race.

Refer to the relevant energy systems throughout your answer.

[15 marks]

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box

You may use this space to plan your answer.



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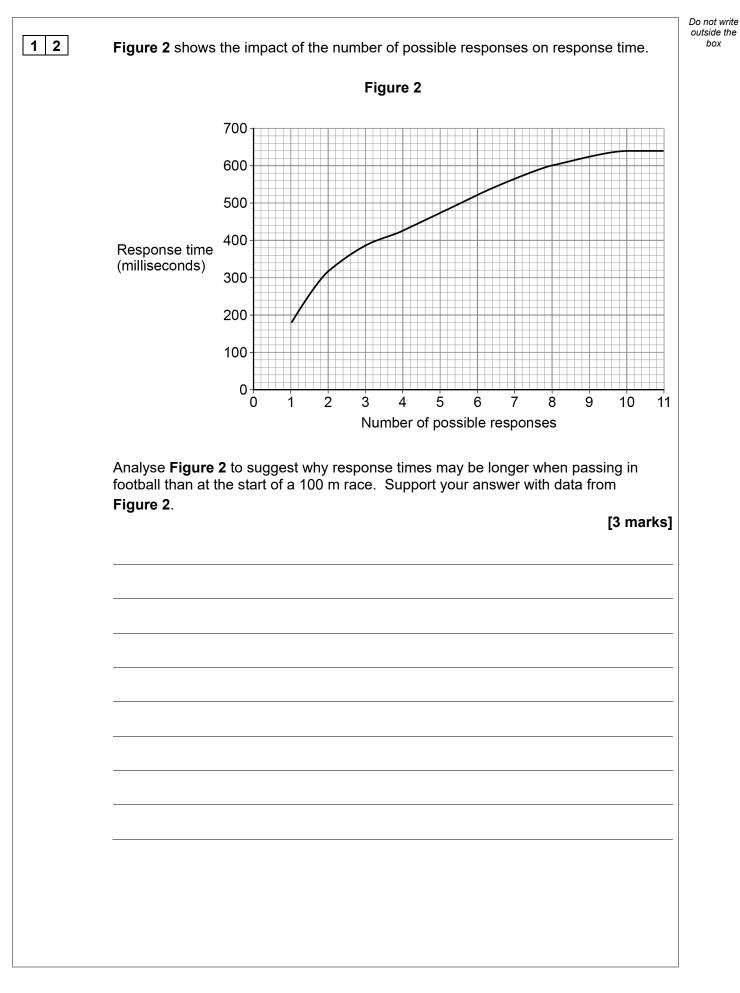


	Section B		
	Skill acquisition		
	Answer all questions in this sect	ion.	
0 8	Baddeley and Hitch devised a model of the working	g memory.	
	Which component of this model coordinates sight, into sequences to be sent to the long-term memory		ement information [1 mark]
	A Central executive	0	- •
	B Episodic buffer	0	
	C Phonological loop	0	
	D Visuospatial sketchpad	0	
09	Which one of the following is an example of tempo	ral anticipation in I	hockey? [1 mark]
	A Predicting what your opponent will do next	0	
	B Predicting when a player will shoot	0	
	C Predicting where the ball will go	0	



10	Bandura's observational learning model describes how we learn from watchin In sport this can take the form of a demonstration.	ng others.
	Outline three factors that make a demonstration effective.	[3 marks]
	1	
	2	
	3	
1 1.1	Skills in sport can be classified in different ways.	
	Define the term 'continuous skill'. Give a sporting example.	[2 marks]
	Definition	
	Sporting example	
1 1.2	Explain why bowling in cricket might not be placed exactly at either end of th Gross – Fine continuum.	e
		[2 marks]







A high jumper is experiencing a learning plateau.

Evaluate the effectiveness of setting a SMARTER process goal to overcome this learning plateau. Refer to an appropriate goal in your answer.

[8 marks]

Do not write outside the

box

You may use this space to plan your answer.

Extra space		
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Trampolinists **A** and **B** have both performed the same set routine on a number of occasions in training. For each attempt they have been awarded an execution score out of 10 by their coach, with 10 being the best possible score.

Table 1 shows the execution scores the trampolinists were awarded for each attempt.

Table 1

Attempt number	1	2	3	4	5	6
Trampolinist A scores	9.7	9.8	9.8	9.7	9.6	9.8
Trampolinist B scores	3.7	3.4	4.2	4.7	5.9	5.1

Evaluate whether massed practice or distributed practice would be most effective for their coach to use with:

Trampolinist A

1 4

• Trampolinist **B**.

Refer to each trampolinist's stage of learning in your answer.

[15 marks]

You may use this space to plan your answer.



		10		
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	Section C		
	Sport and society		
	Answer all questions in this section.		
1 5		aat oo tha invant	ion of lowe
	Which one of the following had the most significant impatent tennis?	act on the invent	[1 mark]
			[i indik]
	A Development of professional sport	0	
	B Emergence of the middle class	0	
	C Improvements in transport and communication	0	
	D Influences from across the British Empire	0	
1 6	Which one of the following is defined as 'an organised g	group of people a	associated for
	some specific purpose or with a shared common interest	sť?	[1 mark]
	A Social action theory	0	
	B Social control	0	
	C Socialisation	0	
	D Society	0	



1 7	Ex-public-school boys and university old boys helped spread sport throughout the British Empire during the industrial and post-industrial period (1780–1900). State three professions that were also responsible for the spread of sport throughout the British Empire during this period. [3 marks]	Do not write outside the box
	1 2 3	
1 8	Explain how mob football reflected the characteristics of pre-industrial British society (pre-1780). [3 marks]	
	Turn over for the next question	



			vity of adults. Table 2 shows t imum of 150 minutes of physic	
		Та	able 2	
			% who completed 150 mins of physical activity/week	
		Men	65%	
		Women	61%	
	One possible caus	e of the difference show	wn is stereotyping.	
	Define the term 'ste	ereotypina'		
		crootyping .		[1 mark]
1 9 . 2	Analyse how stere	otyping may contribute	to the difference shown in Tak	ole 2. [3 marks]
				[5 marks]



2 0 The number of factories increased in the UK during the industrial and post-industrial period (1780-1900). Evaluate the impact of this development on the physical activity of the working class: • at the start of the 19th century • at the end of the 19th century. [8 marks] You may use this space to plan your answer.



Extra space	 	







2 1	Active Partnerships, formerly County Sports Partnerships, are an example partner of Sport England. Sport England's local partners work to overcome barriers to participation that some groups may face.	
	Analyse how the work of Sport England's local partners can overcome the participation for those disadvantaged by their socio-economic status.	barriers to [15 marks]
	You may use this space to plan your answer.	



Extra space		
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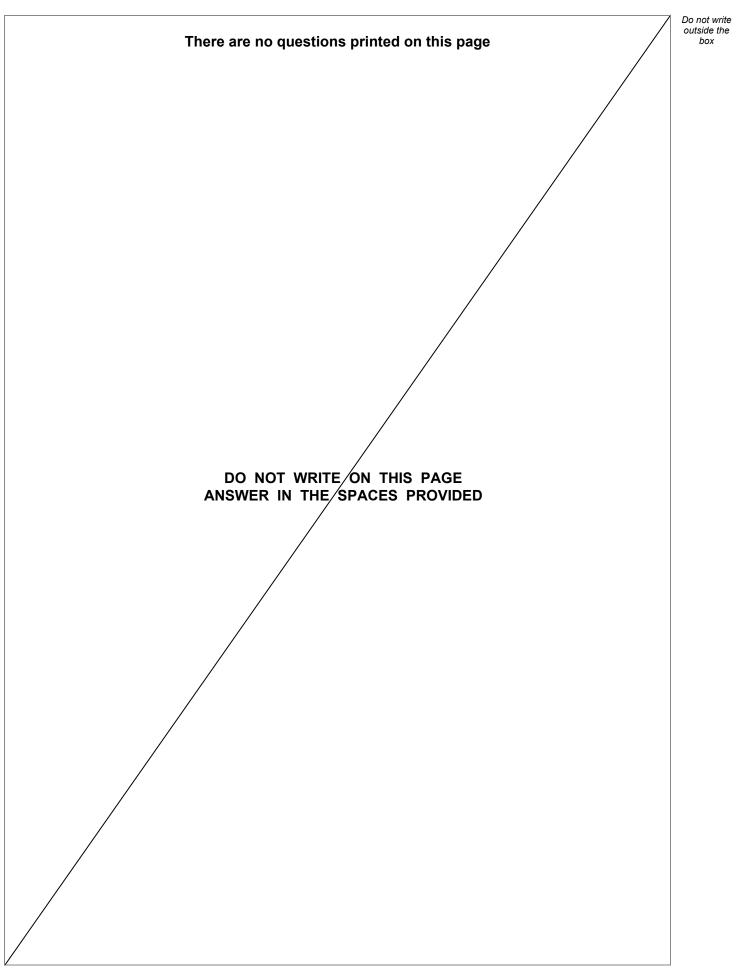






END OF QUESTIONS







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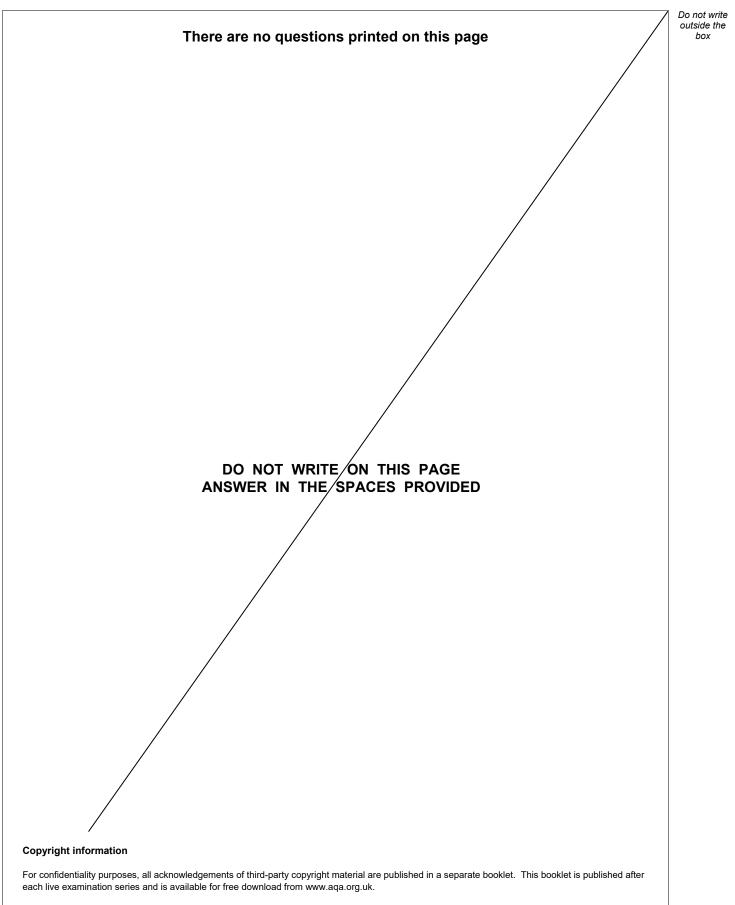


Question number	Additional page, if required. Write the question numbers in the left-hand margin.



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