

Cambridge International Examinations

Cambridge International General Certificate of Secondary Education

CANDIDATE NAME					
CENTRE NUMBER			CANDIDATE NUMBER		

8983777943

PHYSICAL EDUCATION

0413/13

1 hour 45 minutes

Paper 1 October/November 2018

Candidates answer on the Question Paper.

No Additional Materials are required.

READ THESE INSTRUCTIONS FIRST

Write your Centre number, candidate number and name on all the work you hand in.

Write in dark blue or black pen.

You may use an HB pencil for any diagrams or graphs.

Do not use staples, paper clips, glue or correction fluid.

DO **NOT** WRITE IN ANY BARCODES.

Section A

Answer all questions in this section.

Write your answers in the spaces provided on the Question Paper.

Section B

Answer all questions in this section.

Write your answers in the spaces provided on the Question Paper.

Electronic calculators may be used.

You may lose marks if you do not show your working or if you do not use appropriate units.

At the end of the examination, fasten all your work securely together.

The number of marks is given in brackets [] at the end of each question or part question.

This document consists of 12 printed pages.



Section A

Answer **all** the questions in the spaces provided.

1	Suggest one reason why the type of physical activity a person takes part in may change as get older.	they
		. [1]
2	State one requirement for good health and fitness.	
		. [1]
3	State one type of voluntary organisation that may provide recreational opportunities.	
		. [1]
4	Describe why the goals set for a performer should be specific.	
		. [1]
5	State one reason why a performer may have a high energy requirement.	
		. [1]
6	Describe one benefit for a student of their school offering extracurricular activities.	
_		. [1]
7	Name a different joint where each of the following types of movement can occur. abduction	
	rotation	[2]

Describe two benefits of a cool down for a performer.	
	[
Describe three benefits of having efficient gaseous exchange in the lungs for a performer.	
	[
Describe how teachers can reduce the chances of students being injured during physical educa activities.	tic
	[

11	Suggest how use of the internet can benefit sport.	
		ſΛ.

[Total: 20]

Section B

Answer **all** the questions in the spaces provided.

Unit 1 Factors affecting performance

12	(a)	Suggest two reasons why the majority of skills used in team games are open skills.	
			[2]
	(b)	Explain three ways in which arousal can affect a performance.	
			[2]
			[3]
	(c)	Name an extreme body type and describe how it may provide an advantage in a named physicativity.	sical
		extreme body type	
		physical activity	
		description	
			[3]

(d)	Describe how tendons aid movement.	
	[3	3]
(e)	The diagram shows a hockey goalkeeper trying to save a penalty.	
	Explain how four components of health-related fitness assist the goalkeeper's movements.	
	component 1	
	component 2	
	component 3	

component 4.....

(f)	Describe one function of each of the following components of blood.	
	plasma	
	red blood cells	
	white blood cells	
	platelets	
		[4]
(g)	Describe four ways that regular aerobic exercise develops the efficiency of the circulatory respiratory systems and how this improves performance.	and
		[6]
	[Total	: 25]

Unit 2 Health, safety and training

13	(a)	State two characte	ristics of physical well-being.	
				[2]
	(b)	Complete the table performer.	to show the missing nutrient and a benefit that protein provides for	а
		nutrient	benefit	
		protein		
			insulation and slow release of energy	
				[2]
	(c)	Describe examples activities.	of how participants can physically assist and support other pupils in pl	nysical
				[3]
	(d)	(i) Describe the	e difference between isotonic and isometric muscle contractions.	

	(ii)	Describe two examples from different physical activities of isometric muscle contraction	ons.
		physical activity 1	
		example	
		physical activity 2	
		example	
			[2]
(e)	Explai	n the long-term effects of regular aerobic training on skeletal muscles.	
			[4]

(f)	(i)	Explain, using examples from a named physical activity, how training principles car applied to bring about an improvement in performance.	n be
		physical activity	
			[4]
	(ii)	Suggest two signs that a performer is over-training.	
			[2]

[Total: 20]

Unit 3 Reasons and opportunities for participation in physical activity

14	(a)	Kenya and Ethiopia are two countries with areas located at high altitude. Many athletes for both countries excel in middle and long-distance running.	rom
		Suggest two reasons why some other countries with areas located at high altitude do no achieve excellence in these activities.	t
			[2]
	(b)	Describe how television has increased people's understanding of sport.	
			[3]
	(c)	Describe factors that have led to a growth in leisure activities.	
			[4]

(d)	Describe why a company may choose to sponsor a performer.	
		[6]

[Total: 15]

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