



National Mock Exams 2024

POWERED BY ExamSimulator

Edexcel A-level PE - Paper 1

Please read before distributing to students.

Purpose of this document

The questions contained within this document and the associated mark scheme are based on the data analysis performed by The EverLearner Ltd and published within the 2024 infographics. Please, note the following:

- We believe this paper has a very strong association with the actual external exam in 2024 in relation to command terms, skills, AO distribution, extended writing requirements and topics.
- However, this is categorically NOT a predicted paper. No-one can accurately predict an exam paper and we make no claim to this end.
- It is vital that you only use this document internally in your school/college. Publishing the document online or sharing it in any other way is strictly prohibited, as this will undermine the potentially educational experiences of students in other schools/colleges.
- Finally, please check the publication dates of the mark scheme and model answers for this paper as well as the associated revision sessions in April/May.

This paper contains:

- Questions in the format of Edexcel A-level PE Paper 1
- Short-answer questions
- Extended writing

How should schools use these papers?

This paper has been constructed specifically for use as a mock exam but can be used less formally as a practice paper or model paper. The content and skills of the paper will be developed within the free-to-air revision sessions offered by James Simms in April/May 2024.

Mark schemes and model answers will be published on the following dates:

- **Mark scheme:** Early March
- **Model answers:** April
- **Revision:** 30th of April, 16:30-18:00

All questions are available on ExamSimulator, where they can be practised multiple times in both online and printable format. ExamSimulator is a premium resource available via TheEverLearner.com and provides immediate diagnostics of student writing performance after every exam answer.

James Simms



Subject	Physical Education
Course	Edexcel Linear GCE PE Scientific Principles
Time allowed	2 hours 30 minutes

First name	
Last name	
Class	
Teacher	

Title	Edexcel A-level PE Paper 1 Scientific Principles National Mock Exam 2024
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Guidance	<ul style="list-style-type: none">• This paper is marked out of 140 marks.• You have 150 minutes (plus additional time for those who have Exam Access Arrangements).• Answer all questions.• A calculator is permitted for this exam.• This paper contains two 15-mark questions and five 8-mark questions.• Good luck.
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Total marks	140
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1. Define the following movements:

- Adduction.

- Rotation

Adduction is:

.....

Rotation is:

.....

Marks: [2]

2. Summarise **three** different types of contraction and provide a suitable sporting example of each.

Isometric

Sporting example

.....

Isotonic concentric

Sporting example

.....

Isotonic eccentric

Sporting example

.....

Marks: [6]

9. Summarise the possible benefits of a named sports supplement to a performer.

Marks: **[3]**

Marks: **[8]**

A series of 25 horizontal dashed lines for writing.

Marks: **[15]**

13. Define the term agility and give a sporting example.

Agility

.....

Sporting example

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Marks: **[2]**

14. Outline the protocol for the Margaria-Kalamen test.

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Marks: **[5]**

20. The table below shows data about a female high jumper who wants to improve her PB.
Identify the most appropriate fitness test for this performer.



Age	Resting HR	Maximum HR	Intensity
Years	BPM	BPM	%
22	54	195	90

Marks: **[1]**

21. Identify the predominant energy system when performing in the high jump.

Marks: [1]

22. Using Karvonen's theory, calculate the high jumper's heart-rate reserve.



Age	Resting HR	Maximum HR	Intensity
Years	BPM	BPM	%
22	54	195	90

Marks: [2]

23. Using the data in the table, calculate the high jumper's training heart rate.



Age	Resting HR	Maximum HR	Intensity
Years	BPM	BPM	%
22	54	195	90

Marks: **[2]**

Marks: **[8]**

Marks: [8]

27. Examine the ways in which a marathon runner could manipulate their diet before a race and how this would affect their performance.

A series of horizontal dashed lines for writing the answer.

Marks: **[8]**

Lined writing area consisting of 20 horizontal dashed lines.

Marks: **[15]**

END OF PAPER