



# National Mock Exams 2024

POWERED BY **ExamSimulator**

## BTEC Level 3 Sport Unit 1 Anatomy and Physiology

**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. 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 session in May/June.

### This paper contains:

- Questions in the format of the BTEC Level 3 Sport Unit 1 Anatomy and Physiology exam
- Multiple-choice questions
- 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 on Thursday 2nd of May 2024 at 15:00.

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*





<b>Subject</b>	Physical Education
<b>Course</b>	BTEC Level 3 Sport: Unit 1 Anatomy and Physiology
<b>Time allowed</b>	1 hour 30 minutes

<b>First name</b>	
<b>Last name</b>	
<b>Class</b>	
<b>Teacher</b>	

<b>Title</b>	BTEC Level 3 Sport Unit 1 Anatomy and Physiology National Mock Exam Summer 2024
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<b>Guidance</b>	<ul style="list-style-type: none"><li>• This paper is marked out of 80 marks.</li><li>• You have 90 minutes (plus additional time for those who have Exam Access Arrangements).</li><li>• Answer all questions.</li><li>• A calculator is permitted for this exam.</li><li>• This paper contains one 8-mark question.</li><li>• Good luck.</li></ul>
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<b>Total marks</b>	80
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1. Describe **two** functions of long bones.

Function 1: .....

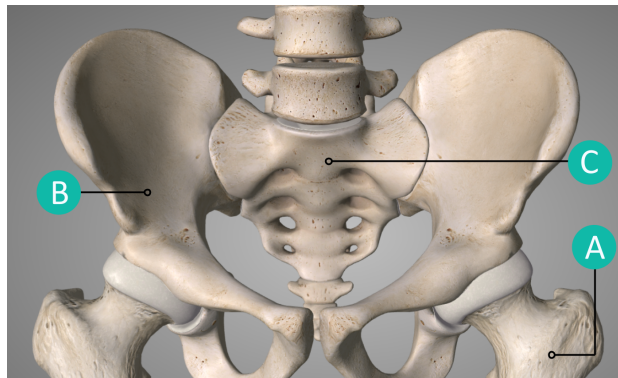
.....

Function 2: .....

.....

Marks: [2]

2. Identify the three bones labelled on this image.



A: .....

B: .....

C: .....

Marks: [3]

3. Protection, support and store of minerals are all functions of the skeleton.  
Identify **one** other function of the skeleton.

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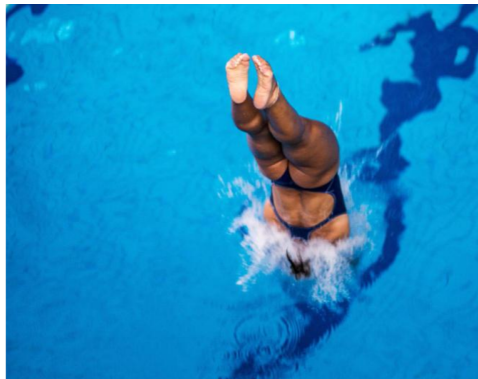
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Marks: [1]



4. Look closely at this image. Explain how the skeleton protects the performer during entry to the water in a high dive.



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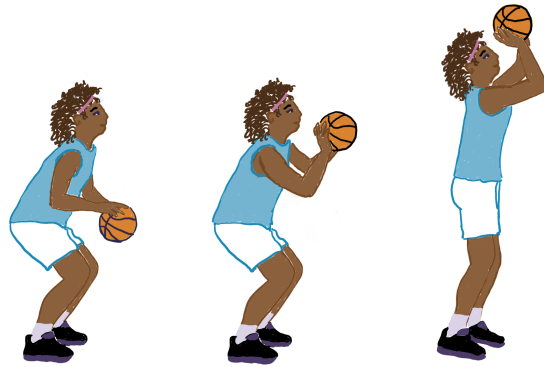
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Marks: **[3]**

5. Look closely at this image. Explain how movements at the knee **and** ankle allow the player to take a successful free throw.



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Marks: **[3]**

6. Describe adaptations to the muscular system as a result of regular circuit training.

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Marks: **[3]**

7. Identify the muscle group highlighted in this image.



Marks: [1]

8. Explain the role of this muscle group during a kick in taekwondo.



Marks: [2]

9. Describe **two** responses of the muscular system to a single exercise session.

Response 1: \_\_\_\_\_

Response 2 \_\_\_\_\_

Marks: [2]

10. Name the muscle fibre type that would be **most** beneficial to a marathon runner.

Justify your choice.

Muscle fibre type: \_\_\_\_\_

Justification: \_\_\_\_\_

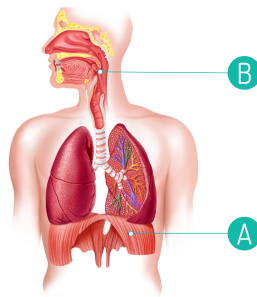
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\_\_\_\_\_

\_\_\_\_\_

Marks: [3]

11. Identify the **two** parts of the respiratory system labelled in this image.



A: \_\_\_\_\_

B: \_\_\_\_\_

Marks: [2]

12. Describe residual volume.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

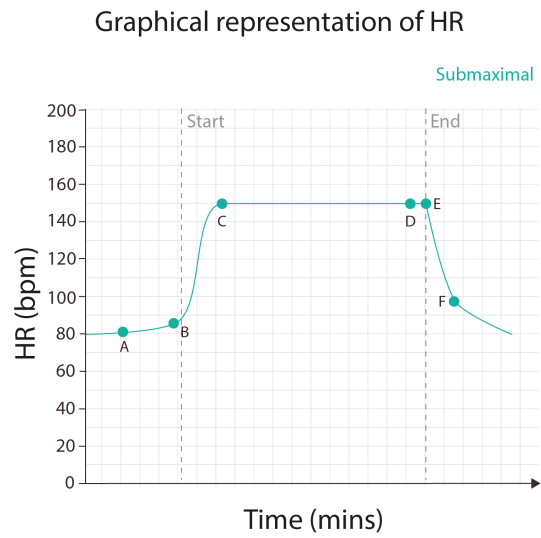
Marks: [1]







20. Look closely at this line graph, which shows the heart rate of a performer before, during and after a continuous training session. Analyse the performer's heart rate at points A-B ,C-D and E-F.



A-B: \_\_\_\_\_

\_\_\_\_\_

C-D: \_\_\_\_\_

\_\_\_\_\_

E-F: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Marks: **[6]**





23. Evaluate the use of the aerobic energy system for the long jump.

A series of horizontal dashed lines for writing.

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Marks: **[6]**



