



**GCE AS/A LEVEL**

**2550U10-1**

**TUESDAY, 16 MAY 2023 – MORNING**

**PHYSICAL EDUCATION – AS UNIT 1**

**Exploring Physical Education**

**1 hour 45 minutes plus your additional time allowance**

**Surname** \_\_\_\_\_

**First name(s)** \_\_\_\_\_

**Centre Number** \_\_\_\_\_

**Candidate Number** 2 \_\_\_\_\_

**For Examiner's use only**

<b>Question</b>	<b>Maximum Mark</b>	<b>Mark Awarded</b>
<b>1.a</b>	<b>1</b>	
<b>1.b</b>	<b>3</b>	
<b>1.c</b>	<b>6</b>	
<b>2.a</b>	<b>3</b>	
<b>2.b</b>	<b>3</b>	
<b>2.c</b>	<b>5</b>	
<b>3.a</b>	<b>1</b>	
<b>3.b</b>	<b>4</b>	
<b>3.c</b>	<b>6</b>	
<b>4.a</b>	<b>6</b>	
<b>4.b</b>	<b>8</b>	
<b>5.a</b>	<b>8</b>	
<b>5.b</b>	<b>4</b>	
<b>6.</b>	<b>14</b>	
<b>Total</b>	<b>72</b>	

## **INSTRUCTIONS TO CANDIDATES**

**Use black ink, black ball-point pen or your usual method.**

**Write your name, centre number and candidate number in the spaces provided on the front cover.**

**Answer ALL questions.**

**Write your answers in the spaces provided in this booklet. If you run out of space, use the continuation pages at the back of the booklet, taking care to number the question(s) correctly.**

## **INFORMATION FOR CANDIDATES**

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

**You are reminded of the necessity for good English and orderly presentation in your answers.**

**Diagrams, charts and graphs can be used to support answers when they are appropriate.**

**(Turn over)**

**Answer ALL questions.**

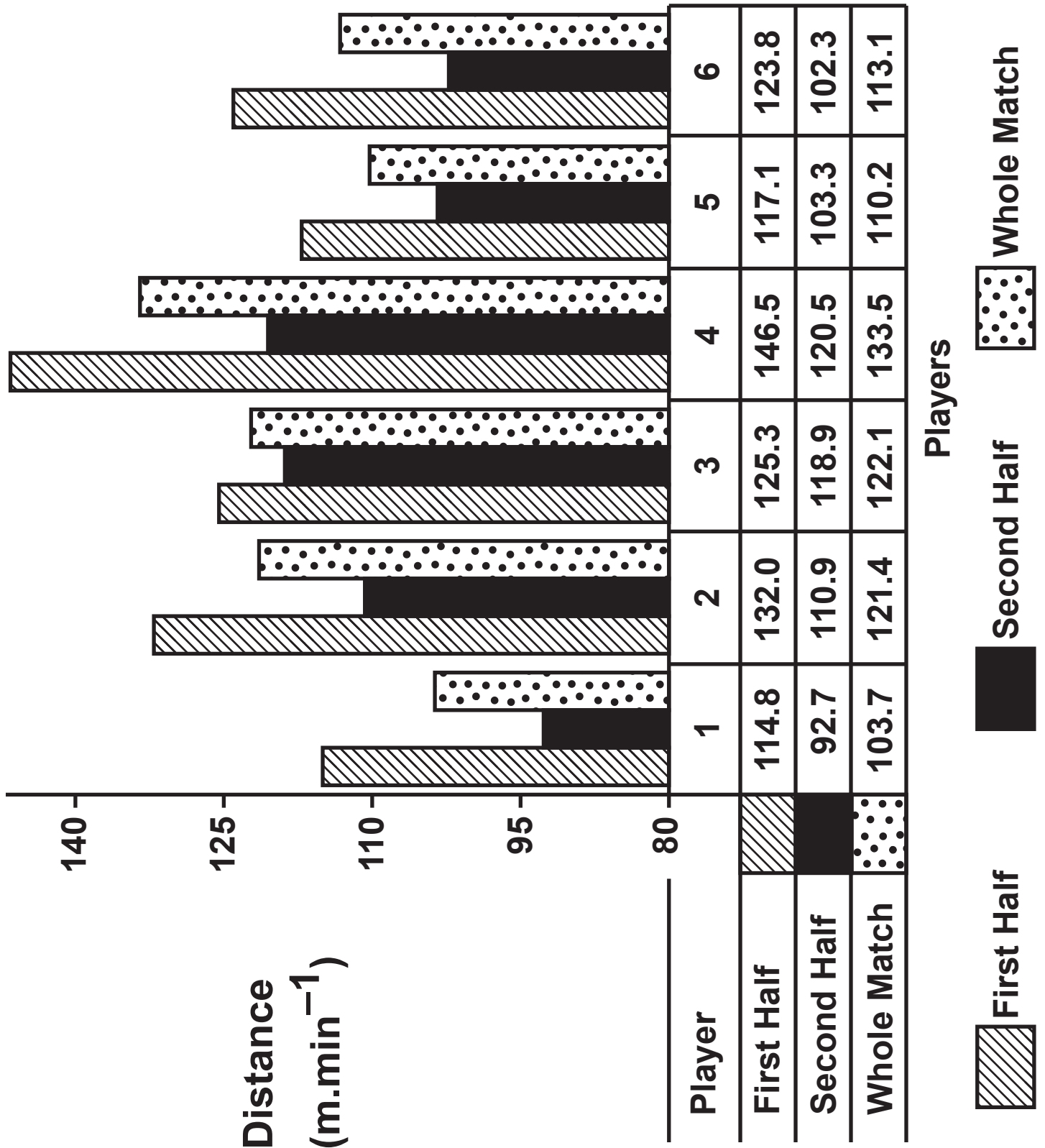
**1. Within many professional sporting teams, time-motion analysis is used to evaluate a player's performance.**

**(a) Identify a tracking analysis system from the list below. [1 mark]  
Tick (✓) the appropriate box.**

<b>A</b>	<b>Nacsport</b>	
<b>B</b>	<b>Sportscore</b>	
<b>C</b>	<b>GPS</b>	
<b>D</b>	<b>PWS 170</b>	

**(Turn over)**

Figure 1 – The mean distance covered per minute in the first and second half for 6 players within a Futsal team.



(Turn over)

1 (b) Using information from **Figure 1** complete the following table: [3 marks]

Question	Answer
(i) Identify which player had the lowest mean metres covered per minute in the second half.	
(ii) Identify which player had the greatest difference in mean metres per minute covered between the first and second half.	
(iii) Identify which player was the most consistent in metres covered between the first and second half.	





**Figure 2 – A gymnast performing a static crucifix on the rings.**



2. (a) Identify the joint action, agonist(s) and type of muscular contraction at the shoulder joint of the gymnast. [3 marks]

Joint action	Agonist(s)	Type of muscular contraction





**Figure 3 – A javelin throw**







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3. (a) Identify which of the following theories is associated with personality. [1 mark]  
Tick (✓) the appropriate box.

<b>A</b>	<b>Catastrophe theory</b>	
<b>B</b>	<b>Trait theory</b>	
<b>C</b>	<b>Cognitive theory</b>	
<b>D</b>	<b>Drive Theory</b>	



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5. (a) Analyse, using examples, how a coach could vary the types of guidance utilised between the cognitive and autonomous stages of learning.

[8 marks]

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**END OF PAPER**

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