

Physical Education Answers and commentaries

A-level (7582)

7582-2

Marked answers from students for questions from Paper 2. Supporting commentary is provided to help you understand how marks are awarded and how students can improve performance.

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Answers and commentaries

Please note that these responses have been reproduced exactly as they were written by the student.

Exercise physiology and biomechanical movement

Short answer questions

Question 03.1 (2018)

Figure 1 shows an athlete performing the long jump.



Identify and explain two external forces acting on the athlete in Figure1.

[4 marks]

Mark scheme AO2 = 4

Award one mark for each of the following points.

- Air resistance (1) this will be acting in the opposite direction of travel to the jumper/will depend on the velocity of the jumper / the cross sectional area of the jumper/the streamlining/shape of the jumper (1).
- Weight/Gravity (1) this will be pulling the jumper downwards towards the sand pit/the greater the mass of the jumper the greater the weight force will be pulling the jumper down (1).

Accept other appropriate explanations of the external forces acting on the athlete.

Student responses

Response A

Force 1 Frictional force, this can be because an action force is created as they not the board to gain height, whilst a reaction Force 2 Air restance, this is the external force acting against the performer in the air, which can reduce the distance she jumps

Force 1 frictional force is incorrect as it is not deemed to be wholly an external force. This is due to the requirement of muscular force, in this instance, for it to be produced. One mark is awarded for correctly identifying 'Air resistance' as force 2, but no further marks are awarded due to the lack of an explanation of how it is acting on the athlete.

1 mark

Response B

Force 1		Weight.	This	s the for	ce caused	by
90	avity	acting	m	the perj	bower.	
Force 2	Air	resistance	. The	porform	er experis	aces resilme
as	they	are travel	ting the	rough a	· ·	

Response B identifies both external forces and is awarded two marks for these. They fail to explain how the forces are acting on the athlete in enough detail to be credited the other two marks, however. Weight must be linked to the key term 'downwards', or similar, as this is underlined in the mark scheme. Explaining that air resistance will result in 'resistance' is deemed too vague due to the repetition of terms.

Response C

Force 1 Aiv resistance is acting your the autility, as the air is acting in the apposite direction to the direction of the atulates sumping motion, therefore pulling the atulate book. Force 2 Chainty is also aching upon the adulet, as the athlete is in the air, therefore gravity is acting on the attilety to return to the grand, as it is the grantational pull back touch the tatm.

Response C successfully accesses all four marks for this question. In addition to identifying the two external forces, they also explain these forces in enough detail. 'Back towards the ground' is considered a suitable alternative to the underlined 'downwards' in the mark scheme.

Question 03.2 (2018)

In **Figure 1** a third class lever is operating at the hip to allow flexion.

Explain the mechanical advantage of the third class lever operating at the hip for the athlete.

[2 marks]

Mark scheme A01 = 1, A03 = 1

Award one mark for each of the following points.

- **AO1** (mechanical advantage) Large range of movement / resistance or load can be moved quickly. (1)
- **AO3** By moving the legs forwards in front of them / flexing at the hip / lifting their legs higher to allow them to jump further / so legs are thrown forwards quickly to gain forwards movement and jump further. (1)

Accept other appropriate explanations of the mechanical advantage of the third class lever operating at the hip for the athlete.

Student responses

Response A

The mechanical advantage means that the long jump has a wide range of movement with minimal effort to gain height in the air.

The two marks for this question are for identifying the mechanical advantages of a thirdclass lever (AO1) and then explaining how this will assist the long jumper (AO3). Here, Response A only identifies the large range of motion available at the hip, without any additional information on how this can be beneficial to the athlete.

1 mark

Response B

Short effort arm means that movement can be done quickly.

Again, Response B is only able to access the AO1 mark for stating that the movement can be done quickly, with no reference to how this specifically impacts the athlete's performance of a long jump.

1 mark

Question 03 (2019)

When conducting field tests, data can be objective or subjective. What is subjective data? Identify **one** way that it can be collected.

[2 marks]

Mark scheme

Award **one** mark for each of the following points:

- Data that involves opinions / assumptions / interpretations / beliefs / feelings / emotions (1)
- Self-analysis / questionnaire / surveys / observation / interviews (1)
- Accept any other appropriate definition of subjective data and suitable method of collecting it.

Student responses

Response A (S data rom ubjective data example For running YOUR not correct

Response A is awarded bullet point 1 on the mark scheme for correctly identifying that subjective data is based on opinions. They then go on to give an example of subjective data, which is not what the question asks for, resulting in only 1 mark being awarded.

1 mark

Response B

subjective data is biased an one way

It can be collected is by opinion so

Maybe through a question name.

Response B again achieves one mark for identifying that subjective data is based on 'opinion' but, in addition, correctly suggest that one method of collecting this type of data is 'questionnaires' (bullet point 2 on the mark scheme).

Question 05 (2020)

Discuss the importance of fat intake to an endurance athlete.

[4 marks]

Mark scheme

AO3 = 4

Positive (sub-max 3 marks):

- Source of energy for low intensity exercise, allows the endurance athlete to meet the demands of training/race/less fatigue/keeping running for longer (1).
- Spares glycogen stores, to be used in the closing stages of an event (1).
- Used for absorption of fat soluble vitamins maintaining bone density, reducing the risk of injuries, eg stress fractures (1).
- Important for maintaining health, vital for optimal performance in training and competition (1).

Negative (sub-max 3 marks):

- Too much fat can lead to heart/vascular disease, leading to the endurance athlete being unable to train (1).
- Too much fat can lead to weight gain making the endurance runner inefficient/energy wasted on carrying additional weight the endurance athlete will therefore fatigue sooner/reduce stamina (1)
- Other components of fitness may reduce e.g. decreased flexibility leading to inefficient running action/reduced speed leading to poor sprint finish (1).
- Accept other appropriate points used to discuss the importance of fat intake to an endurance athlete.

Student responses

Response A

a secondary energy Source for the tat 15 fat Provilie Can be converted and broken froduce Chargy 40 n Pro Sance dow-n HATC fat also contains P.G oxygen. ahich Vitamins an contribute 10 exercise . BUILDA athleta Fals 15 USP Acre as Insulin 401 000

Response A fails to move beyond AO1 knowledge of the advantages and disadvantages of fat intake. With no reference to endurance athletes or the impact of fat intake on performance, this answer is not creditworthy.

0 marks

Response B

is used as energy 50 intensity aerobic exansise Wrance to USP can Same VSe GAA every in a race. m Howene 0 7-000-000 weisht and Unich Con a 10551 attherocle and

Response B successfully discusses one advantage (energy) and one disadvantage (weight gain) of fat intake. These points would not be enough on their own but are both supported by clear examples of how they would impact the performance of an endurance athlete either positively or negatively.

Exercise physiology and biomechanical movement

Extended response questions

Question 6 (2020)

Adam Peaty has set multiple new world records in the 100m breaststroke.

Table 1 shows his performances in some major championships over a two-year period.

Year and competition	Time (seconds)	Position
2016 Olympic Games	57.13 (world record)	1st
2018 European Championships	57.00 (world record)	1st

Analyse how Adam Peaty would use Macro, Meso and Micro cycles to achieve these performances.

[8 marks]

Mark scheme AO1 = 2, AO2 = 3, AO3 = 3

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 4

7–8 marks

- Knowledge is consistently accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is consistently used.
- The answer almost always demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

5–6 marks

- Knowledge is usually accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is often used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

3–4 marks

- Knowledge is sometimes accurate with some detail.
- Application of breadth or depth of knowledge is sometimes evident.
- Analysis and/or evaluation is sometimes made between different relevant factors and their impact, but may lack coherence.
- Relevant terminology is sometimes used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and focus.

Level 1

1–2 marks

- Knowledge may be limited.
- Application of breadth or depth of knowledge may be limited or not evident.
- There may be little or no analysis and/or evaluation between different relevant factors and their impact.
- Relevant terminology is occasionally used.
- The answer may lack substantiated reasoning, clarity, structure and focus.

0 marks

No relevant content.

Possible content may include:

AO1 Indicative Content: knowledge of Macro, Meso and Micro cycles.

- A Macro cycle is a long-term period of training, typically one year/4 years.
- A Meso cycle is a medium-term block of training, typically spanning between 4– 12 weeks.
- A Micro cycle is a short-term block of training, typically one week, or a few days.
- Cycles are part of periodisation
- The cycles are used to taper/peak.

AO2 Indicative Content: application to performance.

- The Macro cycle could be focused upon swimming a personal best time in the final of a major championship, such as Olympic Games.
- Mesocycles would be focused on a specific aspect of training such as focusing on swimming speed/reaction time off the blocks/race preparation
- A single Micro cycle would include pool-based speed work for four days and two days of land-based training, eg flexibility/strength training.
- If intensity of training increases, eg shorter, harder sessions, the volume of his training will be reduced, fewer sessions in each micro cycle.
- Peaty will taper his training, reducing the volume and or intensity of the training that is undertaken in the days leading up to the event.

AO3 Indicative Content: analysis of how dividing training into Macro, Meso and Micro cycles affects performance.

- Planning meso and micro cycles which are designed with a specific component of fitness/area for development in mind can help to focus an athlete's attention, rewarding progress that is made.
- Dedicating a Meso cycle to an area of performance that needs to be developed, eg speed endurance, likely to result in improvements that will directly impact performance.
- Using Macro, Meso and Micro cycles can help Peaty to maintain high levels of motivation, by setting goals specific to each cycle, monitoring progress in each case.
- Tapering can help to avoid overtraining, reducing the likelihood of injury and reversibility.
- Tapering training in the lead up to an important event allows for physical and psychological rest and recuperation, allowing peaking to occur.
- Well planned training divided into Macro, Meso and Micro cycles makes it more likely that Peaty will peak at the right time, performing optimally in major championships.

Accept other appropriate analysis of how Macro, Meso and Micro cycles can be used to benefit performance.

Student responses

Response	A						
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(in lo	ple ye	ars S	o f	J I	ichert	5	
instrue	in 81	ympi	gu	nes.	ha	involves	
building	Hires	and	techn	yve	m	Using	ć
Mossed	protine	With	long	hayhing	the	hs Adu	^
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on C	luontity	and	Mu	lung	Sur		

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This is a Level 1 response

Response A describes the general principles of each cycle (AO1) with some accuracy but does very little to apply this to Adam Peaty (AO2). Where AO2 is attempted it is too vague/not sport specific enough to be credited. There is no impact of using a periodised approach on performance in swimming analysed within the response (AO3).

Response B Petrodisation is litting time into cycles implovements masimise Macto - apeles are long periods years, and the 4 n inplomement mane - 01 esample ea trally Sac make my 80 wan time. nde AL UT Meso - ayeles are medium periods of time, this, where a mance high a is and metorea Peat notice. be 8 Co an mall WORK Extra space agan Se in his one Mesocuche and bleaststlake in me

Me may of used weight taining to implove power.

0

Workload and make sore the performent.

This is a Level 3 response

Response B describes each of the cycles and applies them specifically to Adam Peaty and his swimming. This is generally done in a way that demonstrates good depth and breadth of understanding. For this reason, they are given the maximum mark which can be awarded to an answer with no AO3 which is 5. To move beyond this mark, they would need to include analysis of how structuring his training in this way would impact his performance. For specific points which could have been added refer to the AO3 section of the mark scheme.

Question 06 (2022)

Elite-level rugby players are at high risk of suffering from musculo-skeletal injuries due to the physical nature of the sport.

Evaluate the use of screening to prevent musculo-skeletal injuries in elite rugby.

[8 marks]

Mark scheme AO1 = 2, AO2 = 3, AO3 = 3

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 4

7-8 marks

- Knowledge is consistently accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is consistently used.
- The answer almost always demonstrated substantiated reasoning, clarity, structure and focus.

Level 3

5-6 marks

- Knowledge is usually accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is often used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

3-4 marks

- Knowledge is sometimes accurate with some details.
- Application of breadth or depth of knowledge is sometimes evident.
- Analysis and/or evaluation is sometimes made between different relevant factors and their impact, but may lack coherence.
- Relevant terminology is sometimes used.
- The answer occasionally demonstrated substantiated reasoning, but may lack clarity, structure and focus.

Level 1

1-2 marks

- Knowledge may be limited.
- Application of breadth or depth of knowledge may be limited or not evident.
- There may be little or no analysis and/or evaluation between different relevant factors and their impact.
- Relevant terminology is occasionally used.
- The answer may lack substantiated reasoning, clarity, structure and focus.

0 mark

No relevant content.

Possible content may include:

AO1 Knowledge of screening to prevent musculo-skeletal injuries

- Screening to prevent musculo-skeletal injuries involves undertaking a series of tests to establish the current musculo-skeletal condition of the athlete/current injury status.
- Screening can be used to assess/identify muscle imbalances / core strength / range of joint movement/mobility / postural alignment / stress fractures.

AO2 Application of screening to prevent musculo-skeletal injuries to elite rugby players

- Screening can identify muscle imbalances such as stronger quadriceps and weaker hamstrings which would increase the risk of the rugby player injuring their hamstring.
- Screening can identify a weakness in core muscles which would decrease stability during contact which increases the likelihood of injury.
- Screening can identify a lack of mobility in the rugby player's ankles which may place increased pressure on other joints when trying to scrummage/ruck etc.
- Screening can identify hypermobility in a rugby player's shoulder which may increase the likelihood of dislocation when tackling.
- Screening can identify postural defects which could increase the risk of injury when scrummaging/rucking/mauling.

AO3 Evaluation of the effectiveness of using screening to prevent musculo-skeletal injuries

- Positives:
 - Screening can allow for pre-hab work so injuries are avoided and the rugby player does not miss any training or playing time.
 - Based on the results of screening, conditioning programmes can be individualised to target specific weaknesses, decreasing the risk of future injuries.
 - Detection of issues can allow for additional interventions such as bracing to limit the chance of injury/surgery to correct chronic issues.

• Negatives:

- Some screening tests are not 100% accurate and may miss a problem/provide a false negative which could lead to the rugby player picking up a more serious injury.
- Despite screening being commonplace in professional rugby, injuries still occur as some are unavoidable.
- Preventative measures such as taping/bracing/protective equipment may be more effective at preventing injuries than screening.
- Screening can incorrectly identify issues/provide false positives which can lead to a rugby player unnecessarily missing training/games while the issue is investigated which then results in a reduction in fitness levels.
- The identification of potential issues may cause the rugby player anxiety/confidence issues which would increase the likelihood of injury if the player wasn't fully committed to a tackle.

Accept any other appropriate evaluation of the use of screening to prevent musculoskeletal injuries in elite rugby.

Student responses

Response A

wing Machemary 1S Ing MMCO Skeleto ane 20 stow would 20 CL SCIERNING Vel Muscoloche Preventing rugby MJWIE a 701 W can't PICHOd that Re Normally. mulles tto allow to Mor undestand INJULIES 60 could developing this and

Prevent indury as it would stop them stop Playing which could make the indury worse. However, screening has been known to bring up sake Positives and salle negetives and this could be an issue as it may not catch a developing indury which could mean when they continue Playing they could get periously indured.

Screening con all identify past MULLES that May not have Extra space fully recovered yet. This could allow the physics to develop rehabilitation into training to souther grevent these insuries.

Howevel, screening May not be an essective in preventing insurg as it is a dangerous sport wing gross movements. Playing rugby alore could came muscoskeletal insuries.

An atternative could be protective equipment such as conject sootwear to prevent andle injulies of

even shoulder pads to prevent thoulder insulies. Also, on cession of asective flexability Hauning would help plasticity of Muscles prevent to INJU

This is a Level 2 response

This response has a breadth of knowledge regarding screening however the depth is inconsistent, and it is not always 100% accurate. This knowledge is used to make a number of evaluative points, some of which include depth. Where this answer falls down, as many observed to date, is in its lack of application to rugby. Remember that we use a best fit approach to marking however, so do not unduly penalise a response missing one of the AOs. An answer with excellent AO1 and AO3 but no AO2 can still be awarded up to 5 marks. This response does not reach this standard but is still worthy of the top of Level 2.

4 marks

Response B

Screening is the procen of Sanning an attileter baily to illeuhily part and present musice inspalances and injuner, find suitable netrodoilitation programmes. As Rugby is high-contact sport, player ane susceptible to inviculo-sheletal infunico throughout Cheir career. One of the row of screening is to identify sand and ament injuries. While this But explicitly 1paning m preventing dybries being able happened Lavent yer, may have gone when an athlete ·deuh/4

wrong in the part would be also help the attuch avoid a repeat chying, by withe working m their tachle technique (if the sugary was a neorth of a poor tackle) to prevent the same thing mappening again, or los training particular mundes to prevent iliguries caund by mechaness. For example, if a Rectary player has injuned their thouldes from lifting in a love out screening may show them that they hered to perform Shringstening excrites. Scoreening can nelp identify muche Impalances, which call potentially Extra space level to injury if neglected. This is very effective as it can allow a Regloy player to adjust their brainky to accommodate this before any chipung happuni However, screening is not 1000. accorate, and false-positions can be misleading, which could potentially level to greater injuries if not rechtfiled. In and hon screening can be used identify athletter at nith of heart to complication from essenice, which can be useful for idunifying ruger players at

with from cardina issues (CR4). which is effective as they could potentially and & anaphr chytner, but there nesuth could also lead to antichy and nervasnen, espendency of player's an told not to play becaus of drying, which could affect their mental health. Overan, screening is very effective in preserving mode - shelebar dujunes it dudy, the however, fulse-pontiver can lead to anticty, and cauld potentially force on white at of their cureer.

This is a Level 3 response

The response demonstrates good knowledge of screening. While the breadth is limited, the response makes up for this with the depth of their points. There is a clear and usually effective attempt to apply knowledge to rugby. Students should not be penalised for not being rugby experts, with valid attempts credited. The response makes a number of evaluative points. To access the top band, the student could have presented a more balanced argument with more than one negative considered.

Question 05 (2018)

Figure 2 shows Laura Kenny cycling at the Rio 2016 Olympics.

Analyse how Laura Kenny has maximised her speed in Figure 2. Use Bernoulli's principle of lift and knowledge of the factors that influence drag.

[15 marks]

Mark scheme AO1 = 4, AO2 = 5, AO3 = 6

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 5

13-15 marks

- Knowledge is consistently comprehensive, accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is almost always used.
- The answer demonstrates a high level of substantiated reasoning, clarity, structure and focus.

Level 4

10-12 marks

- Knowledge is usually comprehensive, accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is usually used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

7-9 marks

- Knowledge is generally accurate and sometimes detailed.
- Application of breadth or depth of knowledge is sometimes evident.
- Some analysis and/or evaluation is made between different relevant factors and their impact but may sometimes lack coherence.
- Relevant terminology is used but may sometimes be missing.
- The answer sometimes demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

4-6 marks

- Knowledge is sometimes accurate but may lack detail.
- Application of breadth or depth of knowledge is occasionally evident.
- Some analysis and/or evaluation is attempted between different relevant factors and their impact, but is likely to lack coherence.
- Relevant terminology is occasionally used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and/or focus at times.

Level 1

1-3 marks

- Knowledge is limited and may lack accuracy and detail.
- Application of breadth or depth of knowledge is likely to be limited or not evident.
- There may be very little or no analysis and/or evaluation made between different relevant factors and their impact.
- Relevant terminology used only very occasionally.
- The answer often lacks substantiated reasoning, clarity, structure and/or focus.

0 mark

No relevant content.

Possible content may include:

AO1 Knowledge of Bernoulli's principle of lift and factors affecting drag using simple statements

- Bernoulli's principle is to do with lift force and downforce created when air flows over an aerofoil or object. Where there is an increase in the velocity of air there is a decrease in the pressure. Where flow is fast, pressure is low and where flow is slow, pressure is high.
- Lift force is a force that acts perpendicular to the direction of travel.
- Drag acts in the opposite direction of motion and so will slow something down. There are two types of drag, surface drag and form drag. Factors that affect drag include the velocity of the body or air, the cross sectional area, the shape of the body and type of surface.

AO2 Application of Bernoulli's principle of lift and factors affecting drag to the cyclist

- Due to the streamlined position of the Laura Kenny air travelling over the top of her has a shorter distance to travel than the air underneath. This means the air above is travelling at a slower velocity, which therefore creates a higher pressure. This creates a downward lift force with the tyres applying more force to the track.
- Drag acts in the opposite direction of motion and so will be slowing Laura Kenny down. In order to minimise the amount of drag Laura Kenny can consider the factors that affect drag including, her cross sectional area, the shape she makes on the bike and type of surface. Therefore, as shown in Figure 2 Laura Kenny wears a streamlined helmet, tight clothing and adopts a streamlining position on the bike i.e. her back is parallel to the track, her arms are tucked in close to her body which all

reduce form drag. To reduce surface drag the tyres are very thin on the bike and her suit is very smooth.

AO3 Analysis/evaluation of Bernoulli's principle of lift and factors and the impact of reducing drag to allow the cyclist to achieve a faster speed

- Factors that affect drag include the speed Laura Kenny is travelling at, the cross sectional area of the Laura Kenny's body and bike, the shape of Laura Kenny and type of surface. Therefore, as shown in Figure 2 Laura Kenny can reduce drag by wearing a streamlined helmet. This is beneficial because it will allow the air to pass quicker over the top of the helmet reducing the drag created which means Laura Kenny can cycle faster.
- Although speed is a factor that can influence drag, Laura will use the other factors such as her clothing and body position to ensure she cycles as fast as she can therefore she won't reduce her speed in order to reduce drag.

Credit other relevant analysis of how a cyclist can increase their speed using Bernoulli's principle of lift and knowledge of the factors that influence drag.

Student responses

Response A Based Keropull'S 00 DIIAU ase PASSUR Factor Which avia Can DALLING Smooth Lhu Kennys Source Incrak incrake

A-LEVEL PHYSICAL EDUCATION – 7582/2 - ANSWERS AND COMMENTARIES

cause more air resistance to hold back the biken

allus Bempallis Drinciple Stay ťØ hich WIII help maximise there not being any 10 IGW Which her, Wauld b. low lown.

This is a Level 1 response

The knowledge of Bernoulli's principle in Response A is very limited and most often inaccurate. They clearly misunderstand the air pressures involved in this scenario, and resultant forces, so no application marks can be awarded. The student's one mark is for their knowledge and very limited application of the factors affecting drag. 'Smooth surface' is too vague to be credited, but their description of the weight and shape of the bike is enough to access the bottom of Level 1. The answer often lacks substantiated reasoning, clarity, structure and/or focus.

1 mark

Response B

Bernoulli's principle of lift states the pressure of air below that high as there is an object is distance for the air more the pressure travel and 01 object is above the low air less distance for there is travel. This causes air lift at 60 the object of the object, an maximises speed. Drag air behind the object. As drag decreases, the object is able

travel faster. This is induenced by surface characteristics, the cross-sector cross-sectional area and the relocity of the object, Laura Kenny, in figure 2, has maximised her speed. By wearing a tear drop helmet, she has reduced the distance the air has to travel. this covers the pressure. She also lowers pressure by crouching over the bike as the air travels less distance. Therefore the bernoulli principle of lift is enabled to maximise her speed. To reduce drag, Laura's cross-sectional area is reduced through creating a streamlined, small area. This is a chieved through the detear drop helmet, crouching position Extra space and this prame of the bike This is advantagous to Laura as she can maximise her speed and have less resistance. Laura also manipulated her surface characteristics. bike as the air travels less distance. Therefore the bernoulli principle of lift is enabled to maximise her speed. To reduce drag, Laura's cross-sectional area is reduced

mough creating a streamlined, small area. This is a chieved through the de-lear drop helmet, crouching position Extra space and thin prame of the bike This is advantagous to Laura as she can maximise her speed and have less resistance. Laura also manipulated her surface characterist Her dokning is tight, meaning that there is less priction between the air and her body she also most likely shared her legs and arms to create less priction. This allows her to have reduced drag which means she can cycle at a greater speed. Finally, Laura's velocity is high, which usually increases drag However, her manipulation of body cross-sectional area and surface characteristics keeps her drag low. Therefore, she has successfully reduced her drag and is able to travel faster and her race timing is reduced dramatically

This is a Level 3 response

Response B can clearly be considered in two parts. While their ability to recall Bernoulli's principle is evident, they have clearly not understood it in enough detail to consider how it creates a downwards force in this scenario. That said, the student has answered the other part of the question relating to drag very well. They clearly have breadth of knowledge relating to the factors which affect drag, and their depth of knowledge is evident in their application to Laura Kenny and analysis of the impact on her speed. As they have only successfully answered one half of the question (albeit the side with more content) the maximum mark which can be awarded is 9.

Question 07 (2022)

Analyse how an athlete can maximise the distance a discus travels.

Use your knowledge of the factors affecting horizontal displacement of projectiles and the Bernoulli principle in your answer.

[15 marks]

Mark scheme AO1 = 4, AO2 = 5, AO3 = 6

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 5

13–15 marks

- Knowledge is consistently comprehensive, accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is almost always used.
- The answer demonstrates a high level of substantiated reasoning, clarity, structure and focus.

Level 4

10–12 marks

- Knowledge is usually comprehensive, accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is usually used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

7–9 marks

- Knowledge is generally accurate and sometimes detailed.
- Application of breadth or depth of knowledge is sometimes evident.
- Some analysis and/or evaluation is made between different relevant factors and their impact, but may sometimes lack coherence.
- Relevant terminology is used but may sometimes be missing.
- The answer sometimes demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

4–6 marks

- Knowledge is sometimes accurate but may lack detail.
- Application of breadth or depth of knowledge is occasionally evident.
- Some analysis and/or evaluation is attempted between different relevant factors and their impact, but is likely to lack coherence.
- Relevant terminology is occasionally used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and/or focus at times.

Level 1

1–3 marks

- Knowledge is limited and may lack accuracy and detail.
- Application of breadth or depth of knowledge is likely to be limited or not evident.
- There may be very little or no analysis and/or evaluation made between different relevant factors and their impact.
- Relevant terminology used only very occasionally.
- The answer often lacks substantiated reasoning, clarity, structure and/or focus.

0 mark No relevant content

Possible content may include:

AO1 Knowledge of the factors affecting horizontal displacement of projectiles and the Bernoulli principle

- Angle of release, dependent on the height of release and height of landing of the projectile.
- Speed of release, the greater the speed of release, the greater the horizontal displacement of the projectile.
- Height of release, the greater the release height, the greater the horizontal displacement.
- The Bernoulli principle states where air flow is fast over the surface of an object pressure is low, where air flow is slow over an object pressure is high

AO2 Understanding of how the factors affecting horizontal displacement of projectiles and the Bernoulli principle affect the flight of a discus

- Release height of discus out of the athlete's hand is greater than the landing height.
- The faster the athlete spins in the circle the greater the speed of release.
- Height of release depends on the height of the athlete / technique.
- The discus needs to be thrown with the optimal angle of attack for the Bernoulli principle to take effect (this is between 25 and 40 degrees).
- Athlete throwing the discus will try to optimise the speed, height and angle of release as well as the angle of attack.

AO3 Analysis of the impact the factors affecting horizontal displacement of projectiles and the Bernoulli principle will have on the distance the discus travels

- (Release height of discus out of the athlete's hand is greater than the landing height) therefore the optimum angle of release is less than 45°.
- If the angle of release is above optimal the speed of release will be slower due to air resistance meaning the discus will travel a shorter distance before landing.
- The speed of release can be increased by improving the throwers power / suitable training method.
- Taller athletes with better technique will be able to optimise horizontal displacement due to a greater height of release.
- If the angle of attack is optimal, air travelling over the top of the discuss will have further to travel, travelling faster, creating low pressure.
- Air travelling under the discuss will have less distance to travel, moving slower creating high pressure.
- Air will move from high to low pressure creating lift and optimising the distance the discus travels.

Accept any other appropriate analysis of the factors affecting horizontal displacement of projectiles and the Bernoulli principle's impact on the distance a discus travels.

Student responses

Response A

A discus aerosoil 15 an Shape means air has to travell above Surther discus the This means the an travelling Velocity 50 h.gher at a low This a pressure aloo that the air means 615 60 traven under the discuss 50 S at 50 pressure Bernoullis DINC States that air move ah unde the discus, 60 iew Horizontal displacement Shortent distance Srom a Stalting Point valle INCO Ou norizontal INCREANS Ehl distance Ane

prosettice. There are 3 Suctors that assert horizon displacement. The sirst one is angle or recease. - tal The closer the angle of recease is to the optimum Sur that particular Skill the angle increaned projectice horizontal displacement the abiett will have. For an athlete in discus the optimum angle is around 45°. This will produce the SuitherE horizontal displacement. This is because is the angle is too high the discuss will end upright in the and will lose its allosoic shape. Air lesistance our will then slow the projective down and gravity will full it cowards the ground producing very little horizontal displacement. The second sactor is speed of release. The senter the speed of release the surther the her. Zental displacement. An althebe should aim to release the discuss at the highest speed possible to get Suther horizontal displacement. This would lead to them being more likely to win an they got the suthest distance. The height of recease is the third Sactor. This is where the higher the projectice is recease the Surther the horizona A discus personner should aim to displacement. seleone the discus on high an possible. This will increase their chances of winning as it increases horizontal displacement. An althete can improve their Strength to increase the sorce of contraction at their aims.

which	Can	increase	horizon	tal disc	ance. The
Extra space	Surther	r the	distance	the more	e likely the

This is a Level 4 response

The response fully meets the demands of the fluid mechanics aspect of the question, analysing how Bernoulli's principle will contribute to maximising the distance a discus will travel. The other part of the question, linked to factors affecting horizontal displacement, is more inconsistent. While the knowledge is good these factors are not applied specifically to the event, with limited consideration as to how they can be manipulated to maximise the horizontal displacement.

Response B horizontal tactor desplacement ection the retease 060 R The ci taion The Justher elose maximise red may Travel 10 Ot di may ha onaes Vhoough alow realise ciond ar point cincrease heraht lower in any help to increase The discuss Khroen The gr Another factor that affects horizontal desplacement to the speed the release. 27 Thrower may momentum which to liai create, inclease the more the distance 0.0 Speed Incre Þ the an behind Jucher object ito Another horizontal displacement of rector ant release of Ab res Than the releas hia discuss Fando 03 lower. the (clease angle of means hao te than 4 ensure maximal helps to increase Thio be inever. ac honsontal displacement.

Sernou allo DINC an C. chell BREACH MADW our C thous at C. a.C create ave (COSTO) down un 0 leonal Trows RESULT Callors MOR hor CA clen distance KIMUSE

Level 5

The student demonstrates accurate knowledge, application and analysis of how Bernoulli's principle can be utilised in discus to maximise horizontal displacement. What pushes this response into band 5 is its ability to consistently and accurately access AO2 and AO3 marks in relation to the factors affecting horizontal displacement. They consider how technique will impact height/speed of release and that the discus is released from a higher point than it lands so optimal angle of release is less than 45 degrees.
Sports Psychology

Short answer questions

Question 8.1 (2018)

Identify three other characteristics of an individual with a need to achieve (Nach) personality.

[3 marks]

Mark scheme

Award one mark for each of the following points.

- Seek out challenging situations / competitive (1)
- Takes risks (1)
- Task persistence / mastery orientation (1)
- Not afraid of failure (1)
- Value feedback from others / coach / accepts criticism (1)
- Attribute performance to internal factors / effort / ability / attribute failure to external factors (1)

Accept first three answers only.

Accept other appropriate identification of characteristics of an individual with approach behaviour.

Student responses

Res	sponse A			
1.	Confident	BL STAN		
2.	Optimiotic		ines Primere i ne	
3.	Attribute	Caillus	to	external
4	carotons.	1. H		

Response A is awarded one mark for the third point (bullet point 6 on the mark scheme). Confident and optimistic are not creditworthy answers.

1 mark

Response B takes 50/50 risks. 1. feedback and evaluation. welcomes 2. confident in their ability. 3.

Response B is awarded bullet points 2 and 5 on the mark scheme. Answer 3 (confident) is not an acceptable answer.

Question 11.1 (2019)

Describe an outcome-oriental goal.

[1 mark]

Mark scheme

A goal set against the performance of others / based on a result (1)

Accept any other appropriate description of an outcome-orientated goal.

Student responses

Response A

A outcome - orientated goal is setting a goal just passed around outcome of performance.

Response A is not awarded a mark for the answer as it is not creditworthy to use the word outcome in the description of an outcome goal.

0 marks

Response B

execting focuses on the results performance

Response B correctly identifies that an outcome goal is one that focuses on the result.

1 mark

Question 10.1 (2019)

Explain the possible impact of an audience on a performer in the cognitive stage of learning.

[3 marks]

Mark scheme AO2 = 3

Award **one** mark for each of the following points:

- Presence of an audience increases arousal. (1)
- Increased arousal leads to increase in likelihood of dominant response occurring. (1)
- Dominant response of a cognitive performer will be incorrect. (1)
- This is known as social inhibition. (1)
- Evaluation apprehension where performance decreases through the perception of being judged. (1)

Accept other appropriate explanations of the impact of an audience on a cognitive performer. Answers must be specifically linked to performers in the cognitive state of learning.

Student responses

Response A

- The	perform	er m	ay 5	e over	anu	need	allow a	2 they
aren't	used	l to	seeing	so pr	ans i	zero ple.	. watu	ning then
- Socie	d int	16/Hon	could	d occur	- as	they	certau	n worse
with	an a	whene	٤					
- They	may	thinh	they	are be	ing j	independ	55	the
aluta	me h	lare	n en	alusta		00 cera	the	

Response A is only awarded 1 mark for correctly identifying that social inhibition could occur (bullet point 4 on the mark scheme). No mark is awarded for 'the performer may be over aroused' as drive theory, which Zajonc's model is linked to, does not consider over and under arousal. Increased arousal is required for bullet point 1 on the mark scheme. The final point regarding evaluation apprehension is also considered too vague as it does not link to a negative impact on performance.

1 mark

Response B presence of a passive audience increase armson levels. the dominant response (Conlive Its a O developed not peromor erpmer be inhibited MAC BASER PROP performance un 1000

Response B correctly explains that the presence of an audience will lead to increased arousal (bullet point 1 on the mark scheme) and that the performance will be inhibited (bullet point 4 on the mark scheme). The statement that the dominant response of a cognitive performer is not developed is considered too vague for the third mark as this does not imply that it is incorrect.

2 marks

Response C can lead to social inhibition effects of audience or performance Can lead to evelucition apprehensionperson believes they ar appeared S.C. judged. being high rousal leading to dominant response more likely to occur. For a nome cognit performer this is likely to be incorrect.

Response C achieves all three available marks for correctly identifying bullet points 4, 2 and 3 on the mark scheme. No marks awarded for evaluation apprehension as does not link to impact on performance.

Question 09.2 (2018)

Explain when a coach would use the autocratic and laissez-faire styles in a sporting context.

[2 marks]

Mark scheme

Award **one** mark for each of the following points.

Autocratic

Used when quick decisions need to be made / with large groups / when discipline is needed/inexperienced tea /novices/cognitive learners/dangerous situations / least/most favourable situations. (1)

Laissez-faire

Used when time is available / experienced performers / autonomous learners / more motivated / no danger. (1)

Accept other appropriate explanations of when a coach would use each style in a sporting context.

Student responses



This answer is not creditworthy as the distinction between team and individual sports is too vague to suitably explain why autocratic might be used in one and laissez-faire in the other.

Response B

An autocratic leadership style may be used when the group consists of novices where danger may be an influencing factor in a sport such as rock climbing. Laissez-Faire may be used when the group is experienced, in which they can carry out football drills out by themselves.

Response B correctly identifies that an autocratic style maybe used with 'novices' and a laissez-faire style with 'experienced' performers.

Question 12 (2022)

Evaluate the impact of extrinsic rewards on a performer's motivation.

[3 marks]

Mark scheme

AO3 = 3

Positive impact (sub max 2)

- They can be useful to enhance the motivation of the performer as it gives them something to aim for/work towards/persist until they achieve the reward. (1)
- They can enhance motivation for activities that the performer finds particularly difficult/unenjoyable/tedious. (1)

Negative impact (sub max 2)

- They could damage the performer's intrinsic motivation / athlete becomes reliant on extrinsic as they may not want to continue when they no longer have the reward available. (1)
- If a performer doesn't achieve the extrinsic reward, this could damage their motivation as they may feel as though they have failed. (1)

Accept any other appropriate evaluation of the impact of extrinsic rewards on a performer's motivation.

Student responses

Response A ft can help a player succeed, because with trophics there's always something to tight for and this means they have an aim to focuson, which will increase motivation. Money is also a proven factor that increases motivation because it can be the key to peoples happiness and can change peoples lives, so it the best Performed get more nones, that encourages players to get better, as thes will get the becker pas cheaves. Mark scheme bullet point 1 is awarded. This same point is then repeated later in the script so cannot be credited second time. There are no other AO3 points made. The answer purely focuses on the positives and fails to consider both sides of the argument, as required by an 'evaluate' question.

1 mark

Response B

The response is credited under mark scheme bullet points 1 and 4. This response does provide both sides of the argument. Further breadth, providing an additional point for one side or the other, would have accessed the third mark.

Sports psychology

Extended response questions

Question 12 (2019)

Crystal Palace are a professional football club. The team lost their first seven games of the 2017-2018 English Premier League season.

Analyse how players may attribute these defeats and the effect this may have had on their performance at this point in this season.

Refer to Weiner's model of attribution theory.

[8 marks]

Mark scheme

AO1 = 2, AO2 = 3, AO3 = 3

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 4

7-8 marks

- Knowledge is consistently accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is consistently used.
- The answer almost always demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

5-6 marks

- Knowledge is usually accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is often used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

3-4 marks

- Knowledge is sometimes accurate with some detail.
- Application of breadth or depth of knowledge is sometimes evident.

- Analysis and/or evaluation is sometimes made between different relevant factors and their impact, but may lack coherence.
- Relevant terminology is sometimes used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and focus.

Level 1

1-2 marks

- Knowledge may be limited.
- Application of breadth or depth of knowledge may be limited or not evident.
- There may be little or no analysis and/or evaluation between different relevant factors and their impact.
- Relevant terminology is occasionally used.
- The answer may lack substantiated reasoning, clarity, structure and focus.

0

No relevant content.

Possible content may include:

AO1 Knowledge of Weiner's model of attribution theory

- Attribution is the perceived reason for success or failure
- Weiner's model has locus of causality, which is internal or external
- And locus of stability, which is stable or unstable
- This gives four attributions: ability, effort, task difficulty and luck
- Ability natural levels of talent
- Effort how hard a performer tries
- Task difficulty strength of opposition/challenge of activity
- Luck unpredictable events
- Locus on control/controllability dimension

AO2 Application of Weiner's model to team performance

- A player could attribute the defeats to external-stable factors, which relates to task difficulty The player may believe that they have had some tough games at the start of the season and the opposition has just been too tough
- A player could attribute defeat to external-unstable factors that relate to luck. They may believe they have had bad luck in, for example the referee's decisions
- A player could attribute the team's defeats to internal-unstable factors that relates to effort. They may believe the team just did not try very hard in the first few games
- A player could attribute the defeats to internal-stable factors, which relates to ability, for example, they do not believe they have good enough players to be in the Premier League or as a team, they simply are not good enough
- A player could attribute the defeats to controllable factors such as the tactics not being right which is something that can be changed

AO3 Analysis of the attribution and its impact on performance

- Usually if players attribute defeat to external factors, i.e. the difficulty of the opposition or luck then it is most likely that the players will remain motivated/confident e.g. there is easier opposition coming up so more likely to win. This is the self-serving bias
- Players are also more likely to remain motivated/confident if they attribute the defeats to effort as this can be rectified and changed if, for example that they need to work harder in training / games to improve this factor
- Problems with motivation/motivation arise if the attribution for defeat is given to ability as if the players do not believe as a team / individuals are good enough to be in the Premier League then this could lead to a demotivated team and have a negative effect on effort which could lead to further defeats
- This is learned helplessness
- A coach may then need to do some attribution retraining to change the reasons for failure to external factors
- Encourage attributions of losses to external, unstable factors and any future wins / good performances they may have to internal stable, known as the self-serving bias.

Accept any other appropriate analysis of Weiner's Model of Attribution and the affect it has on motivation.

Student responses

Response A

an attribution is the reason ofthen for an orrane, in this scenario, the reason griven for 7 conjective copes. meiner's model Suggested that abributions can be split into to two loci. The Locus of causality is the cause and it can be either internal or external. Internal is attributed to one self, form as ability or ettert and external is environmental tactors soon as task difficulty or LUCK. The second dimension is the stability dimension which D Split into stable meaning it is unlikely in the long term, such as ability or

team ability /task difficulty. Or it cand be instable, meaning it frequently changes, sun as were or effort. After the first few Lowes, it is likely mate anytal palace team would have staned to attribute the coss to internal, stable factors sum as ability. This is not the ideal thing to do as it then ward have likely lead to a lack of confidence and feelings of learned vecplessness. learned helplessness can be either grood - meaning you believe you lack ability in all sponing situation, - or Specific - meaning you lack ability in a cerrain Situation. Having this mentality wand have well revolted in very poor performances that meant the team continued to perform budy. A lack or confidence can neurst in anxiety, specifically cognitive which can feberely deteriorate performance due to which a concentration and tous. However it cand be acqued that we can't generalise this for the whole team and that perugis Cerain individuals who felt mey were better performed may not name autoributed their losed to this .

This is a Level 2 response

Response A shows very good knowledge of Weiner's model and this takes up large parts of their answer. There is some application, although the breadth of this is limited. Examples could have been given for what each attribution might look like in football. For example, task difficulty is the quality of the team you are playing against. Finally, the student analyses the impact of their attributions on performance only focusing on the negative effects linked to learned helplessness. As professional athletes, it is likely the players were able to use a self-serving bias to maintain motivation and task persistence. None of this is covered resulting in the answer being awarded a Level 2 mark of 4.

Response B

Attribution is attaching a Meaning to an outcome. Weiners Model that attribution 15 into Locus of causably and st diffension. may the players could have att-buted the casses are reasons, e.g. instable we were unlucky the game was last the ball that mas a little flat. This 15 Seff bios, where Motivation remains so tost persiste nce remains high. players will have a result AS positive attit ude going into next game. However, were Last in a ro is Map hereby to be because attributed the cosses to payers C internal, stable reasons e.g.

aloty. By attributing a loss oneserf, players rase May begin Notivation and task persistence AS a result, pla decrease. lin expense se wortheseners and decrease effort of dond into the nest date One effect that this May nave had on players is that they could have experienced rearned helplessness.T zic Idea that players lad is th compose a certain abityto e.g. crystal place dayers thinking they're not good enough. Th be specific, or can be widened global Learned helplessness, where players begin to hold regative attitudes about thereeves in all ball sports, eq. 14 bad at tootball I Must be bad at nugh

This is a Level 3 response

Response B also demonstrates good knowledge of Weiner's model, but the response is presented in a way which includes a much greater breadth of application. Examples from football are given to support most of the key terminology which is used throughout the answer. This response also considers both that the players may be using a self-serving bias or suffering from learned helplessness. To move into the top band, a more in-depth analysis of the impact of these attributions of the footballer's motivation and performance would be required.

Question 13 (2022)

A badminton player is suffering from learned helplessness.

Analyse the strategies a coach could use to help the player overcome learned helplessness and improve their performance.

[8 marks]

Mark scheme AO1 = 2, AO2 = 3, AO3 = 3

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 4

7–8 marks

- Knowledge is consistently accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is consistently used.
- The answer almost always demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

5–6 marks

- Knowledge is usually accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is often used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

3-4 marks

- Knowledge is sometimes accurate with some detail.
- Application of breadth or depth of knowledge is sometimes evident.
- Analysis and/or evaluation is sometimes made between different relevant factors and their impact, but may lack coherence.
- Relevant terminology is sometimes used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and focus.

Level 1

1–2 marks

- Knowledge may be limited.
- Application of breadth or depth of knowledge may be limited or not evident.
- There may be little or no analysis and/or evaluation between different relevant factors and their impact.
- Relevant terminology is occasionally used.
- The answer may lack substantiated reasoning, clarity, structure and focus.

0

No relevant content.

Possible content may include:

AO1 Knowledge of the strategies to avoid learned helplessness

• Learned helplessness is the belief that failure is inevitable.

Strategies include:

- allowing success/reminding performer of previous successful performances
- positive feedback feedback highlighting the good points of a performance
- setting performance/process goals goals focused on improving own personal standards/techniques
- attribution retraining changing a performer's perception of failure, success to internal-stable factors and failure to external factors.

AO2 Application of the strategies to avoid learned helplessness on the badminton player

- The badminton player competes against a weaker player/competes in a lower league to experience success.
- The badminton player is reminded of a match last season where they played some excellent drop shots.
- Coach tells the badminton player that they have an excellent low serve.
- Setting a target of improving technique for an overhead clear/number of successful serves over the net.
- Attributing success to ability, 'I won because I played effective smash shots during the match' and failure to luck 'I lost because I picked up an injury before the match' or task difficulty 'a lost because I played against an opponent from a higher league'.

AO3 Analysis of the impact of the strategies to avoid learned helplessness on the badminton player

- Allowing success will mean that the performer will have a positive experience reassuring them that success is possible, therefore increasing their belief that they can be successful in future, more challenging situations.
- Positive feedback will mean that the coach will persuade the performer that they do have the ability, so they will believe it for themselves.
- Setting performance/process goals will mean that the performer will gain a sense of confidence when they achieve their goals, encouraging them to be more persistent in future.

- Setting performance/process goals will be better than setting outcome goals as the performer will focus on themselves and not comparing themselves to others.
- Attribution retraining will mean that the performer will believe that success is due to their ability, which will lead to self-serving bias.
- These strategies will ensure that the performer no longer believes that failure is inevitable and will ensure that the performer persists resulting in an improvement in their performance, such as improved quality of serve/more confidence to attempt difficult shots, such as smash shots.

Accept any other appropriate analysis of the strategies a coach could use to help the player overcome learned helplessness and improve their performance.

Student responses

Response A helpless ness 15 when Learned a Reformer starts to attribute inter noul to and fallure the fo(example Bad Minton do not coach reech outtempt NEOLOHVE thoughts TUIN 1Anole INto FO this done VICL (Cn 60 ONES POSITIVE and retraining the att 110 whon . ON trategy could coach Bad Minton ino Bandwa's model officacu Whi or 100 would moreche (01. nowe Meaning 9 Relsolmance. Improving Ot this OF 15 VICALIOUS experior des badminton coach could get a

who is the same ability to REISOIM a dipp shots resectly - which then chingging with Another May he strategy they could Point out do 15 the past success Aeri diop shot which of Ha Will encouronne think ing them into then do Con strategy they agdin. Another aneiva implement setting Relsol monte and erscen goal Extra space would help infore Resol home bad Minton Player tte have as would you'll to alm aims and Fol could also give positive Joile nent ROIN enne to the Badminton and flayor every time a drop that is dore. would improve motivation and Æ Leading to an increase in ResolMane the coach also needs to teach the Reito/mel to start attributing to internal sactors mien Such cas OF ity Mitead exter ral factors In ch is NOUN ou mind set and moning there there some Rersol Mane Sol Ale Improve eetter. Attive dissonance and Resuasive C09 communication could Med also po tO their attitude) WH charge playing bad Minton.

This is a Level 3 response

The response demonstrates a breadth of knowledge but with only 'improving self-efficacy' considered in any depth. The points relating to Bandura's model are mostly applied to badminton. The AO1 and AO2 is good. While there is one AO3 highlighted in the script, this is a very weak AO3 and, as with other attempts, fails to articulate in any detail how the strategies suggested will overcome learned helplessness. This should be evident to some degree in top band responses.

Question 14 (2020)

Analyse the faulty group processes which could have caused this defeat and the strategies which can be used to address specific faulty processes.

[15 marks]

Mark scheme AO1 = 4, AO2 = 5, AO3 = 6

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 5

13–15 marks

- Knowledge is consistently comprehensive, accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is almost always used.
- The answer demonstrates a high level of substantiated reasoning, clarity, structure and focus.

Level 4

10–12 marks

- Knowledge is usually comprehensive, accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is usually used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

htgy7–9 marks

- Knowledge is generally accurate and sometimes detailed.
- Application of breadth or depth of knowledge is sometimes evident.
- Some analysis and/or evaluation is made between different relevant factors and their impact, but may sometimes lack coherence.
- Relevant terminology is used but may sometimes be missing.
- The answer sometimes demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

4–6 marks

- Knowledge is sometimes accurate but may lack detail.
- Application of breadth or depth of knowledge is occasionally evident.
- Some analysis and/or evaluation is attempted between different relevant factors and their impact, but is likely to lack coherence.
- Relevant terminology is occasionally used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and/or focus at times.

Level 1

1–3 marks

- Knowledge is limited and may lack accuracy and detail.
- Application of breadth or depth of knowledge is likely to be limited or not evident.
- There may be very little or no analysis and/or evaluation made between different relevant factors and their impact.
- Relevant terminology used only very occasionally.
- The answer often lacks substantiated reasoning, clarity, structure and/or focus.

0

No relevant content.

Possible content may include:

AO1 Indicative Content: knowledge of factors causing faulty group processes and the strategies to address faulty processes.

- Steiner's model suggests Actual Productivity = Potential productivity Losses due to faulty group processes.
- Faulty group processes caused by co-ordination and motivational losses.
- Social loafing motivational losses due to lack of confidence or feeling under-valued.
- Ringelmann effect, the effort exerted by group members, larger groups can result in less effort being exerted by each individual.
- Strategies: social activities, video analysis, performance goals, establishing clear roles, praising/rewarding cohesive behaviour.

AO2 Indicative Content: application of knowledge of factors which negatively affect group productivity and the strategies to address faulty processes

- Application of factors:
 - England may have suffered from co-ordination losses, such as tactics not working, positional role unclear, lack of communication between players, not employing coaches' tactics.
 - England may have suffered motivational losses, such as social loafing players may not track back/work hard to win the ball back when they are losing.
 - England squad would have had a large squad meaning Ringelmann effect may have occurred as players may have been lost in the squad.
- Application of strategies:

- England manager could have arranged social activities before the tournament started to develop social cohesion e.g. team building activities.
- Manager could have set whole team goals, such as further progression in the tournament, or individual performance goals such as increasing completion rate of passing during a match.
- Manager could have ensured roles were clear e.g. establishing clear roles during set plays.
- Manager could have praised players who were demonstrating good team play, such as tracking back when the ball had been lost.
- Employ GPS tracking during training/matches, capturing the distances covered, tackles made.

AO3 Indicative Content: Analysis of factors which negatively affect group productivity and the strategies to address faulty processes

- Analysis of factors:
 - Co-ordination losses could have resulted in set plays breaking down, players being out of position, meaning a loss of productivity and poor team performance.
 - Motivational losses could have meant that players were not trying as hard as others, leading to resentment and a breakdown in cohesion.
 - Large group size could have meant that players felt lost or undervalued resulting in them having low confidence or not trying as hard, meaning cohesion and productivity was reduced.
 - Analysis of Strategies:
 - Social activities to develop cohesion could have resulted in an increase in social cohesion, meaning the players support and trust one and other and want to play for each other.
 - Praise players for effort regardless of whether they receive the ball/directly affect the play, consistently doing so may make all players contributions valued, maintaining motivation.
 - Employ GPS tracking during training/matches, capturing the distances covered, tackles made, may reduce the Ringelmann effect, players will know their efforts are monitored at all times increasing motivation/reducing social loafing as they cannot hide.
 - Performance goals in the form of individual challenges which are reviewed after each match can reduce social loafing as each performer has a target to reach which will motivate them.

Accept other appropriate analysis of strategies which could be used to improve group productivity and the strategies which can be used to address specific faulty processes.

Student responses

Response A

Actual performance = possible performance faulty process.

group faulty process is what didn't go paright in the game. This Ca due to decrease in communication and decrease in motivation. The decrease in communication can be down to team mates not listening to the coach before the game and tactics which could have been a result of defeat. other communications which could have caused the team defeat is team mates not listening to one another. team makes not listening to one another decreases their chances of success due to lack of team work. The decrease in motivation could be having too much or too withe arousal during the game where they may not have been to process all infomilian, LACK of motivation leads to reduce of effort in the game .

actual performance = is what is should have been = perfection

This is a Level 1 response

Response A includes limited knowledge of Steiner's model. Some key terminology is used, but this lacks accuracy and detail. There are clear gaps which limits the mark that can be awarded. There is some AO2 evident, but this is lacking in any real breadth or depth. The answer often lacks substantiated reasoning, clarity, and structure.

Response B Actual production can be seen as potential plodection minus the losses made through savety plocesses. Faulty processes Can be Seen as One saulty plo essent / application ploblems, and others can be seen as co-optination stablens.

One application stoblem may have been due to the Ringelmann esset. This is where individual pelsolmance decleases as gloup size incleases. In a team of II, on individual may think they can get away with operating less essor as these are ten others to make up got it. To addre this, a coach should highlight and engotee Specific duties and toles, Sol example this desended should go to the attacked wheleas the other centre back should ten

A nother gaulty process is Social loaging a drop in notivation due to a Cash of recognition of their performance. The goalkeeper may seel derivativated is their 'clean-sheet' has n't been acknowledged, which will be detrined to performance. To Combat Usis, a coar Extra space Could note down and toll each player one good thing (positive geedback) that they have done each game to keep notivation high and limit losses in

production due to this sourty plotess. - n Bath usually ano ster car m Con Competition 20 in cault Independent Iceland 600 thelecole and aboutal Caused 0 oasy

This is a Level 3 response

Response B has comprehensive knowledge of Steiner's model, with relevant key terminology evident throughout the answer. Most of this knowledge is also applied to the specific scenario in the question demonstrating good breadth. Finally, there is some analysis of how the faulty process resulted in the loss. For this answer to move into the top band, a greater depth of analysis relating to how the strategies suggested could have addressed the faulty processes and prevent the defeat would have been required.

Question 14 (2022)

An experienced women's rugby team is bottom of the league with only a few games left before the end of the season.

A new head coach is recruited and chooses to adopt an autocratic leadership style during training sessions and games.

Analyse the impact an autocratic leadership style may have on the team. Refer to Chelladurai's multi-dimensional model in your answer.

[15 marks]

Mark scheme

AO1 = 4, AO2 = 5, AO3 = 6

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 5

13–15 marks

- Knowledge is consistently comprehensive, accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is almost always used.
- The answer demonstrates a high level of substantiated reasoning, clarity, structure and focus.

Level 4

10–12 marks

- Knowledge is usually comprehensive, accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is usually used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

7–9 marks

- Knowledge is generally accurate and sometimes detailed.
- Application of breadth or depth of knowledge is sometimes evident.
- Some analysis and/or evaluation is made between different relevant factors and their impact, but may sometimes lack coherence.
- Relevant terminology is used but may sometimes be missing.
- The answer sometimes demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

4–6 marks

- Knowledge is sometimes accurate but may lack detail.
- Application of breadth or depth of knowledge is occasionally evident.
- Some analysis and/or evaluation is attempted between different relevant factors and their impact, but is likely to lack coherence.
- Relevant terminology is occasionally used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and/or focus at times.

Level 1

1–3 marks

- Knowledge is limited and may lack accuracy and detail.
- Application of breadth or depth of knowledge is likely to be limited or not evident.
- There may be very little or no analysis and/or evaluation made between different relevant factors and their impact.
- Relevant terminology used only very occasionally.
- The answer often lacks substantiated reasoning, clarity, structure and/or focus.

0

No relevant content.

Possible content may include:

AO1 Knowledge of Chelladurai's multi-dimensional model

- Autocratic leader makes all of the decisions.
- Requirements of the situation determine the required leadership behaviour.
- Characteristics of team member determine the preferred behaviour.
- The requirements of the situation, the characteristics of team members and the characteristics of the leader determine actual behaviour.
- Accept labelled diagrams of Chelladurai's multi-dimensional model.

AO2 Application of an autocratic leadership style and Chelladurai's multi-dimensional model to the women's rugby team

- Autocratic leadership style:
 - Coach will not consult over key decisions eg roles in the team such as captain/tactics which are employed, making all the decisions themselves.
- Situation:
 - Team is facing relegation, if there are few fixtures left, the time for the coach to turn things round could be very limited.
 - Rugby involves a large squad, often 20–30 players, and complex skills requiring co-ordination.
- Do not accept danger of the sport as a situational factor, as context states players are experienced.
- Group member's characteristics:
 - Players are experienced, which may mean they're older/more able and want to be involved in decision making.

- It is a female team, which may mean that they prefer to be involved/consulted when important decisions are made.
- Leader's characteristics:
 - Coach may have achieved success in the past employing an autocratic approach/may prefer telling players what to do in training or during matches.

AO3 Analysis of the impact employing an autocratic leadership style may have on the team's performance and team member's satisfaction

- Experienced female team members may prefer a democratic approach, but requirements of the situation and leader's preferences lead to autocratic behaviour, performance, and satisfaction unlikely to improve.
- Team needs to win as many fixtures as possible in a short space of time to avoid relegation, autocratic leadership likely to improve performance/results quickly.
- Ensuring all members of a large squad understand their role in the team/tactics is complex, an autocratic style may be the most efficient way of achieving this quickly.
- The coach's preference to adopt an autocratic leadership style, may mean they are most effective leading in this way, leading to improved performances/results.
- Team member satisfaction is important, team members may leave/team may disband/cliques may form/productivity may be reduced.

Accept any other appropriate analysis of the impact an autocratic leadership style will have on performance and satisfaction of the team according to Chelladurai's multidimensional model.

Student responses

Response A

The An autocratic readership style is unere the leader makes all the decisions without input of the members. Have eraach An autocratic Leadership style is the most effective in this situation, this is because the situation is infavourable as the team is at the bottom actue league. The situation

requires an autocratic leaderhip
style, the rugby teams is experienced
this means that mentable is crear.
IF the prefierred behaviour of the member
is B democratic, but the situation
requires an autocratic leadeship
style, the coach must value the
situation over the members, this
may cause poor theam satisfaction
this may mean that performance
decreases.
value roepiced is the men bers
prefer an autor milic leadership, this
would mean that the required,
actual and preferred behavior would
actual and preferred behavior would all be autocratic, tour inching
actual mean that the required, actual and preferred behavior would all be autocratic, tomunich would mean that member sector satisfaction
would mean that the required, actual and preferred behavior would all be autocratic, tournich would mean that member settisfaction would increase, unich would mean
would mean that the required, actual and preferred behavior would all be autocratic, townich would mean that member settief satisfaction would increase, unich would mean that the team performance
would mean that the required, actual and preferred behavior would all be autocratic, townich would mean that member south satisfaction would increase, unich would mean that the team performance would increase, meaning that
would mean that the required, actual and preferred behavior would all be autocratic, townich would mean that member societ satisfaction would increase, unich would mean that the team performance uculd increase, meaning that the team nove up from the bottom

This is a Level 2 response

This response is able to describe an autocratic leader and consider their suitability for the scenario in the question. While this leans on Fiedler's model, the links to an autocratic leader make it creditworthy. The students's assumption that satisfaction and performance are linked is incorrect, but they are still able to make some analytical points regarding the impact of an autocratic coach on the team in question.

5 marks

Response B

Chelladurai's prodel muin-dimensional model states that there are multiple characteristics e.J. -Sirvanoral, leader and member that influence the leadership Shyle used i silvational enaracterizing refer to the environment e-3-level of skull needed, if it's planserous Hurefore OI the women's wshy team is bettom of the league they need strict detection from a coach in order to impreve their performance, this means that the required leadership style needed is an autocranic style, this means that the coach provides the nonj tan with information and taches that should be exicuted; however this units the amount of independent thinking done within the sloup, this means that rearning is restanced and it may not benchit in improving parpermance because the women's NOShi i unable to discurs tachas ic use among themselves at the coach does it for them. leader charaderistics refers to the personality and expensive the individual has; a leader can either be prescribed or emersed & therefore as the new head

coach has been recruited they have been selected by a hisher up, this means that have lots of experience and possels characteristics like charsma and motivation that can help improve the women's rusby performance within the next few games because these characteristics can kelp improve conesion between the team and now coach therefore evenjone is working towards the same goal; leader charackening relative the achal leadership shile used, this means that as On autocranc leadership style is being used the new head coach is very expenenced. Member characterinics refers to the personality ound expenence of the performers, this relates to the eex preferred leadship style of a group. As the Gomen's wesky team are experienced this means they have an idea on now to perform, now therefore Onsolocionic they're able to olicul opinicalatest game play to the coach, this means that an autocianic leadership shylu un't the preperced style for this Extra space gioup; of demacranic loadership Style would benefit the good team more because then members can be involved in the coach's decisions and provide their own opinion on the matter, this means that the women's to a worky team an engage in indepentent thinking and learn and adapt from their mistaker, this allows them to improve their performance and perform successfully before the end of the season.

This is a Level 4 response

This response demonstrates excellent knowledge of the model and autocratic leadership. While the assumption that an autocratic leader is experienced is inaccurate, we do not want to overly penalise students for inaccuracies. The student regularly considers the scenario outlined in the question during their response, applying their knowledge to it and considering the impact. This demonstrates good breadth.

Sport and society and the role of technology in physical activity and sport

Short answer questions

Question 14 (2018)

Identify **three** characteristics of physical recreation.

Mark scheme

AO1 = 3

Award **one** mark for each of the following points.

- (Rules) Physical recreation has modified rules (1)
- (Officials) Physical recreation is usually self-officiated (1)
- (Reason for taking part) Physical recreation is often done for intrinsic rewards / enjoyment / fun / stress relief / non serious / health and fitness (1)
- (When they take part) Voluntary / choice / leisure time / not time bound (1) Accept first three answers only.

Accept other appropriate characteristics of physical recreation.

Student responses

Response A 1. Played during free - time to althout paintanger far fun 2. Playod fituation fuiancias 3. No physical 001200 ap aan

The mark scheme for this question is broken down into 4 clear areas students can draw answers from. Response A is awarded 2 marks for the first two points in line with bullet points 3 and 4 on the mark scheme. The students's third point is not credited as, at best, it is a repeat of bullet point 3. It is important that, for this question, only the student's first three answers are credited.

2 marks

[3 marks]

Question 17.1 (2019)

State two forms of technology a coach could use in sports analytics.

[2 marks]

Mark scheme AO1 = 2

Award **one** mark for each of the following points:

- GPS (1)
- Video / motion analysis (1)
- Heart rate monitor measures (1)
- Performance / match analysis programmes (1)
- Accept first two answers only

Accept other forms of relevant technology a coach could use. Answers must relate to sports analytics.

Student responses

Response A

1 Videoing and the analysing performance. bortfism. 2

Response A is awarded one mark for bullet point 2 on the mark scheme. Dartfish is the name of a type of video analysis software and not creditworthy on its own. In this case, it is also a repeat of the student's first point.

1 mark

Response B

1 Video analysis-dort fish 2 Wearable devices e-g smart wakther to

Response B is awarded two marks as they have produced two clearly different answers relating to bullet points 2 and 3 on the mark scheme.
Question 17.2 (2020)

Give a sporting example of positive deviance.

[1 mark]

Mark scheme AO2 = 1

- A performer competing despite being injured (1).
- A performer causing injury to another athlete without intention/breaking the rules/compromising the etiquette of the sport due to their desire to win (1).
- A performer who over-trains (1).

Accept other appropriate sporting examples of positive deviance.

Student responses

Response	eΑ							
ADDR	enju	NЧ	(ausea	d during	α	50/50	
event	at	SEC	เก	of	game.			

Response A is deemed too vague and not awarded a mark, as it fails to specify that the 50/50 event was within the rules or the injury caused unintentionally.

0 marks

Response B

with 04 (m) on

Response B is awarded the mark in line with bullet point 1 on the mark scheme.

1 mark

Question 15 (2018)

Coaches legally have to demonstrate a duty of care by reducing potential risks and dangers for players.

Outline how coaches can demonstrate a duty of care.

[3 marks]

Mark scheme AO1 = 3

Award one mark for each of the following points.

- Providing first aid provision so that injured players are dealt with. (1)
- Maintain the right supervision numbers to allow safe participation / balanced competition. (1)
- Collect medical information / contact details so that incidents can be dealt with. (1)
- Do a risk assessment so that any dangers are planned for / check equipment / clothing / facilities. (1)
- Adapt sessions to needs / ability of participants. (1)
- Suitably trained i.e. DBS, safeguarding, first aid with regards to abuse / educate on dangers of drugs / overtraining / appropriate training. (1)

Accept other appropriate descriptions of how coaches can demonstrate a good standard of duty of care.

Student responses

Response A

They can make players aware of drug not. and inform them of their impact. Ensure first Aid certificates and DBS checks are an up to date. make sure pacilities and equipment are up to standard and some to use.

Response A awarded two marks. 'Make players aware of drug risk' is awarded as bullet point 6 on the mark scheme under the umbrella of the coach being suitability trained. This means that the second point the student makes, relating to the first aid certificates and DBS checks, is a repeat of this point. Their final point is awarded as bullet point 4 on the mark scheme.

Question 18 (2020)

State two causes of performer violence. Give a sporting example for each.

[4 marks]

Mark scheme AO1 = 2, AO2 = 2

- Retaliation/abuse/provocation from an opponent/spectators. (AO1) (1)
- A player being racially abused by an opponent/spectator/reacting to a bad tackle. (AO2) (1)
- Win ethic/win at all costs attitude. (AO1) (1)
- Intentionally provoking an aggressive response from an opponent in order to gain an advantage/deliberately injury a player to prevent a goal. (AO2) (1)
- Emotional intensity/importance of the event/over arousal (AO1) (1).
- Local derby match/cup final/excitement leading to a violent challenge. (AO2) (1)
- Poor officiating or frustration with match officials .(AO1) (1)
- A vital decision such as a goal/try/ball landing in or out being made/being perceived to have been made incorrectly. (AO2) (1)
- Nature of the sport. (AO1) (1)
- American football/Rugby are sports with lots of physical contact which could overspill into violence. (AO2) (1)
- Frustration with own performance. (AO1) (1)
- Unable to get near the ball/being marked out of the game/passing below usual standard. (AO2) (1)

Accept other appropriate causes and examples of performer violence.

Student responses

Response A

ONERGIR urolence Can Nerre bardion end releand and а Cartha reloa Cal

Response A correctly identifies two causes of performer violence in sport with credit given for 'nature of event' (bullet point 9 on the mark scheme) and 'win at all cost' (bullet point 3 on the mark scheme). However, it only gives a sporting example linked to the first point, with rugby highlighted as a potentially violent sport (bullet point 10 on the mark scheme). The example linked to 'win at all cost' is deemed too vague.

3 marks

Response B

1. Taunting from opposition. Sledging in cricket.

2. Incorrect referencing decisions being made. Referee awarding a penalty for simulation.

Response B is awarded all 4 marks, as they provided two clearly different causes of performer violence (bullet points 1 and 7 on the mark scheme) and accompany these with specific and correct sporting examples.

Question 19 (2022)

'The use of performance enhancing drugs should be allowed in sport.'

Evaluate this statement.

[3 marks]

Mark scheme

AO3 = 3

Arguments for allowing PEDs (sub max 2)

- It levels the playing field if everyone took them/it would be fairer as all athletes would have the option to take them. (1)
- Drug testing is time consuming/expensive/ can be ineffective so this would be eliminated if everyone was allowed to take them. (1)
- If taking PEDs is permitted, health risks could be more closely monitored, making it safer. (1)
- It would make sport more exciting/entertaining to watch as performance standards would increase. (1)

Arguments against allowing PEDs (sub max 2)

- Not everyone could afford to take PEDs therefore the playing field wouldn't be level. (1)
- It would force athletes who may not want to take PEDs to take them in order to keep up with competitors. (1)
- It could lead to long term health implications as athletes would be taking them for longer periods of time / eg regular steroid would increase the risk of heart disease. (1)
- Spectators may be put off sport knowing that what they are watching is not natural ability/is chemically enhanced performance. (1)
- The use of drugs in sport is immoral/unethical which would damage its reputation/put people off participating (1)

Accept any other appropriate evaluation of the statement.

Student responses

Response A

This	would	be	qua	d as	it	would	make	it S	alr Sor
wer	yone c	n o	t .	the	Min	te on	ly the	peop	le that
Can	ane	rd	the	bent	drugs	that	cane	be	detected
ale	able t	0.	une	Deric	ouvys	enac	curte	96	verei

A-LEVEL PHYSICAL EDUCATION - 7582/2 - ANSWERS AND COMMENTARIES

Howe	ver	Some	e Perso	imers	would	the want to
bake	pers	sermance	enhancing	drugs (F	ED) 5	o they would be
at	α	disadva	ntage.	Some	PEDs	can be
day	ngero	ous and	cause	heatth	Compl	ications.

Points 1 and 7 on the mark scheme are credited with the response providing both sides of the argument as required by the command word 'evaluate'. The final point is deemed too vague to be awarded, as dangers of drug use must be linked to long term impact or specific examples.

Sport and society and the role of technology in physical activity and sport

Extended response questions

Question 20 (2020)

Evaluate the impact of commercialisation on professional football since the Premier League was formed in 1992. Refer to Figure 2 in your response.

[8 marks]

Mark scheme AO1 = 2, AO2 = 3, AO3 = 3

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 4

7–8 marks

- Knowledge is consistently accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is consistently used.
- The answer almost always demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

5–6 marks

- Knowledge is usually accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is often used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

3–4 marks

- Knowledge is sometimes accurate with some detail.
- Application of breadth or depth of knowledge is sometimes evident.
- Analysis and/or evaluation is sometimes made between different relevant factors and their impact, but may lack coherence.
- Relevant terminology is sometimes used.

• The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and focus.

Level 1

1–2 marks

- Knowledge may be limited.
- Application of breadth or depth of knowledge may be limited or not evident.
- There may be little or no analysis and/or evaluation between different relevant factors and their impact.
- Relevant terminology is occasionally used.
- The answer may lack substantiated reasoning, clarity, structure and focus.

0 mark No relevant content.

Possible content may include:

AO1 Indicative Content: knowledge of increased commercialisation in football.

- Commercialisation, treating sport as a commodity/using it as an asset to be sold.
- Involves sponsorship and media coverage.
- Characterised by professional sport, entertainment, contracts, athletes as commodities, focus is on results.

AO2 Indicative Content: application of knowledge of increased commercialisation in football.

- TV revenue paid to the Premier League has increased from £191 million for the period 1992–1997, up to £5 136 million/£5.1 billion between 2016–2019.
- Investment from BSKYB/BT to broadcast live matches across the globe.
- The Premier League is a global brand/shown all over the world/in over 130 countries.
- Sponsorship of kits/stadia/ball/programme, eg The Emirates Stadium Arsenal FC

AO3 Indicative Content: evaluation of the impact of commercialisation on football.

- Positive impacts:
 - Increased revenue/investment allows higher wages attracting the best players in the world to play in the Premier League.
 - Increased income has led to increased standards of facilities, coaching, training and rehabilitation, all contributing to increasing the standard of football.
 - Officials can now train full-time/revenue has increased technology used to make refereeing decisions more accurate.

- Money raised through commercialisation is used to benefit the facilities/opportunities of grass-roots football.
- Negative impacts:
 - The income from commercialisation is not distributed evenly between clubs/teams, creating inequality.
 - Global appeal can lead to intense scrutiny of the sport leading to criticism over any indiscretion.
 - Control of decision making for the sport increasingly affected by a small group of very wealthy individuals/companies.
 - Timings/frequency of matches dictated by TV companies.
 - Increases likelihood of gamesmanship/win-at-all-costs attitude/Lombardian ethic reducing the appeal of the sport.

Accept other appropriate evaluation of commercialisation on professional football since the Premier League was formed in 1992.

Student responses

Response A (ommercialisation is treating sport as 0 modity with Interneto/ Make wove Commancial iscition Dring 5 Popularity Of Aduci SPORT Product to advertise their duri which brings Clarts naraso about OF NUC broch cast gan (scitio Sharus organisations SPORT regular Puants Unrch MOD during hava br (OMMCIT Clalisation apour Nermas 01 Of A CI es (OM Mar Ciclisation has Clan Acracise Standards OF sporting QUCCN OMPOTI HUC MORE and 0 must. Extra space

A-LEVEL PHYSICAL EDUCATION – 7582/2 - ANSWERS AND COMMENTARIES

Howavar, Commarcialisation Rats 9 10+ OF Pressure on the Players commercialisation contrals SPORT Kick off time, tome outs ad Vartisement commercialisation makes the game Chjoyable because of break (advart 1051

This is a Level 1 response

Response A demonstrates a very limited knowledge of the impact of commercialisation on football. There is some key terminology evident, but this is often used inaccurately. Very little of the student's knowledge is applied to football and there is no reference to figure, as required by the question. While there is AO3 evident this lacks any breadth or depth, failing to move the response beyond level 1. The answer lacks substantiated reasoning, clarity and structure.

Response B

Commercialisation is where buisnesses use sport to advetise their brand products and in daing So are waiing to spend lots of money. This has had a significant impall on football making it arguably the biggest sport in the world. Media have an impact on sport as well as they use Sport to althout more viewers, readers and insterers. and They also pay a high plice to show sport. 13eccuse of this Football has had loss of money pumped into it. This has dramatically improved players Salaries earning top players tens of millions pairds a year. This has indeaded the standard of Sport one by othering higher incentives for footballers to train hade and become better as well as providing clubs with more money to buy bother equipment, build better facilities and higher more Shaff sich as Physics, Psychologists, Extra space nutilitionist all who help improve player performance. Ut also analexces participation and it area this through anvesting money into gruss roots Sign as accidentis: Hower and this has had a negative impact as well Such as Ecugher Schaulues for Hearns for media as well as mare pressure for players, managers and Clubs. This can be due to big buisness clemanding more as they have bigge firmoal states in Carain Clubs and want to be seen as having the best term. Figure 2 shows that in the 27

upors between 1992 - 2019 the a tv revenue ryun
of the piemie large have increased from 191 million
to 5136 million, this is none over a 25 time
Increace And Just from 30 2013 to 2019 the
revenue rights have indeaced by 2118 million pernors. This
highliques how much the premire leage is worth to
Companies Such as Stay Sports, Bt Sport and
Amozen prime. The adden triungle between
Spar, be sponsaship and media show that these
3 factors are retrant on each other and without
one the promuse premire league would not be worth
What it is today

This is a Level 3 response

Response B shows knowledge of commercialisation that is accurate and detailed. Key terminology is often used and is generally accurate. They apply their knowledge to the sport of football often demonstrating a breadth and depth of understanding. In line with the question, they have referred to the figure. As an evaluative question, the response correctly provides both the positive and negative impact that increased revenue/commercialisation has had on the sport.

Question 20 (2022)

One football coach believes in the importance of winning fairly so encourages their players to demonstrate sportsmanship.

Another coach believes the win ethic is more important so encourages their players to use gamesmanship.

Evaluate these views in relation to professional football.

[8 marks]

Mark scheme

AO1 = 2, AO2 = 3, AO3 = 3

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 4

7–8 marks

- Knowledge is consistently accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is consistently used.
- The answer almost always demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

5–6 marks

- Knowledge is usually accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is often used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

3–4 marks

- Knowledge is sometimes accurate with some detail.
- Application of breadth or depth of knowledge is sometimes evident.
- Analysis and/or evaluation is sometimes made between different relevant factors and their impact, but may lack coherence.
- Relevant terminology is sometimes used.

• The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and focus.

Level 1

1–2 marks

- Knowledge may be limited.
- Application of breadth or depth of knowledge may be limited or not evident.
- There may be little or no analysis and/or evaluation between different relevant factors and their impact.
- Relevant terminology is occasionally used.
- The answer may lack substantiated reasoning, clarity, structure and focus.

0

No relevant content.

Possible content may include:

AO1 Knowledge of sportsmanship and the win ethic/gamesmanship

- Sportsmanship involves:
 - o abiding by the written and unwritten rules of sport/etiquette
 - maintaining self-control
 - fair play/respect for opponents and officials.
- Win ethic is concerned with winning at all costs which may include increased deviance and gamesmanship.
- Gamesmanship involves bending the rules but not breaking them to gain an advantage.

AO2 Application of sportsmanship and win ethic/gamesmanship to football

- Sportsmanship in football involves:
 - shaking hands at the end of the match
 - \circ kicking the ball out of play so an injured player can receive treatment
 - returning the ball to the opposition team when it has been kicked out of play due to injury
 - helping a player to their feet who has been injured
 - o accepting the referee's decision.
- Win ethic/gamesmanship in football involves:
 - deliberate deception of an official such as claiming a throw in knowing it isn't theirs/overreacting to a challenge/trying to get other players sent off
 - o diving to win a penalty
 - o time wasting.

AO3 Evaluation of the views in relation to professional football

- Sportsmanship more important
 - Sportsmanship in football is still encouraged/highlighted in the media/players receive praise for sportsmanlike conduct.
 - There are consequences for players if they fail to show sportsmanship, for example being booked for time wasting/consistent fouling resulting in a yellow card.
 - FIFA Fair Play Award is awarded annually for acts of sportsmanship in the game suggesting that it still valued as a sporting ethic by the sport's governing body.
 - Professional football players encouraged to be role models/Respect campaign in football suggests sportsmanship is still important.
- Win ethic/gamesmanship more important
 - Win ethic is a large part of professional football due to increased financial rewards associated with success in football.
 - Increased professionalism in football has led to a great win ethic leading to more acts of gamesmanship/deviancy taking place/difficult to maintain a sportsmanlike approach when pressure is so high.
 - Overall, win ethic is the most frequently occurring sporting ethic in professional football, sportsmanship becoming much less common.

Accept any other evaluation of these views in relation to professional football.

Student responses

Response A Sportsmanship & abiding to the unwritten rules of the game an Thoning a high moral code etiquette Whereas gamesma is the deliperate bending of mes to gain an a unlai advantage. Win ethic highights the aind unduriduals to play to 'winat all wests' and do everything is

power tonin For example, unlostbay there are penalty most outs which ensue there is a winner, who will become sensationalied in the media, and a corer which will experence bad prey and negative image. The coach who encourages gamemanthy may promote dangerous tackles and deliberate verbal abue taches to prych and opponents and inque and devere the veleve. This well mean they may muball and nore to win the martan the rewards of Extra space winning outweigh the diadvantageral being raught cheating or mot Collowing rules completing. The low alconhacts and luing af manageri inprolesinenal lootball when a ream cores onthing how precauous the jobs are in there voles, showing & gamermaning good for eaver larer. Honever, gamermaning und damage the name allostoan and wet give protessional lestball a pad reputation. This could read to could sponsorships and lunding This means that sportsmanship may be the more beder op hon. It

manufains and protects the n hadihous of sport and as wen as keeping players rale hom many. Honever, the high preising to wen low as fans and mantain they contracts may be a driving lactor in not louoning mler. Deva & win ethic is ordent in individuals time wasting, Juch of wing around on the pitch and kicking the ball away when a beekuck needs to be taken This may on one hand make it nov exching/ entertancy Conspectators, due to large media coverage of prolisional lootban, but alse came dumpted viewing and reduce me lanbare, merelore dereasing TV gubsuptions and inertment, meaning piolessional speet leagues cannot venture.

This is a Level 3 response

This response shows good AO1 knowledge of the key terms required by the question. They do an excellent job of applying this knowledge/giving examples (AO2) and evaluating the view that win ethic is more important in modern football (AO3). While they do support the argument that sportsmanship may be more important (protects traditional values of sport), this is limited in depth and breadth with no examples. This prevents the response from being in the top band. Top band answers will typically be well balanced/demonstrate breadth and depth for both sides of the argument.

Response B SPortsmanship is adherence to the white a unwritten when of sport and to a Moral high level and etiquette. correspondentlip is stretching the when to the absolute limit to goin an adevantage, but not breaking them. The view that storg manship should be usheld Stems from amaternsm, it is an important aspect Of football as benowstrated by the FA fair play awards. However, Gome manghip is also prevalues is professional footbolk as the win ethic is longe fort of football games as many games are no-draw games like the Canabao wp. Firsterhore, gamesmonship can be seen in the Wosting of time by Footballers in order to give themselves an advantige. Sportsmansling is important in professional football as many young feogle see footballers like Ronaldo as role models and aspire to be like them. Therefore they should demonstrate Sportsmanlike

behaviour to encourage this in younger foothelles anciance of this isticting the ball out of Plag after on injury. However, due to the high stakes nature of Modern day Professional footh and the money unvolved the win ethic is seen as Extra space infressingly important by this include extreme esoggero esamples of after a four of Ulling for a dolision that I theirs in an attempt to decieve the refere of to get offosition plages sent off.

This is a Level 4 response

This response demonstrates comprehensive knowledge of the key terms with appropriate sporting examples from football. Its AO3 is balanced demonstrating both breadth and depth across both sportsmanship and win ethic/gamesmanship.

Question 19 (2019)

Russia did not compete in the 2018 Winter Olympics due to allegations of drug taking.

Analyse the social, physiological and psychological reasons for an athlete to take drugs and the short term and long term implications this could have.

[15 marks]

Mark scheme AO1 = 4, AO2 = 5, AO3 = 6

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 5

13-15 marks

- Knowledge is consistently comprehensive, accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is almost always used.
- The answer demonstrates a high level of substantiated reasoning, clarity, structure and focus.

Level 4

10-12 marks

- Knowledge is usually comprehensive, accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is usually used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

7-9 marks

- Knowledge is generally accurate and sometimes detailed.
- Application of breadth or depth of knowledge is sometimes evident.
- Some analysis and/or evaluation is made between different relevant factors and their impact but may sometimes lack coherence.
- Relevant terminology is used but may sometimes be missing.
- The answer sometimes demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

4-6 marks

- Knowledge is sometimes accurate but may lack detail.
- Application of breadth or depth of knowledge is occasionally evident.
- Some analysis and/or evaluation is attempted between different relevant factors and their impact, but is likely to lack coherence.
- Relevant terminology is occasionally used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and/or focus at times.

Level 1

1-3 marks

- Knowledge is limited and may lack accuracy and detail.
- Application of breadth or depth of knowledge is likely to be limited or not evident.
- There may be very little or no analysis and/or evaluation made between different relevant factors and their impact.
- Relevant terminology used only very occasionally.
- The answer often lacks substantiated reasoning, clarity, structure and/or focus.

0 mark No relevant content.

Possible content may include:

- **AO1** Knowledge of social, physiological and psychological reasons athletes may take drugs
 - The social reasons for drug taking includes the modern day ethos of society of win at all costs
 - Fame and fortune
 - o Pressure to win
 - Lack of effective methods to ban drug taking and some athletes have the belief that they will get away with it
 - State sponsored drugs programmes
 - The psychological reasons can vary for different drugs, for example, some athletes may take beta-blockers to steady nerves
 - Others may use anabolic steroids to increase their aggression
 - When athletes are suffering from a lack of confidence, stimulants can be used to raise a performer's belief that they can achieve
 - The physiological reasons can also vary depending on the drug use. Anabolic steroids help in storing protein and promote muscle hypertrophy, which increases strength and power
 - Beta-blockers are good as they help to improve accuracy through reducing heart rate

- Erythropoietin (EPO) increases red blood cell production, which increases an athlete's aerobic capacity. This means the athlete can work for longer and recover quicker from training
- Negative implications of taking drugs in a list like fashion can be credited under AO1.
- **AO2** Application of social, physiological and psychological reasons athletes may take drugs to specific sports.
 - Potential Olympic medalists may choose to take drugs because winning gold guarantees them a high media profile, sponsorship deals and other extrinsic rewards
 - Russian athletes subject to state sponsored doping, required to do as instructed by coaches/NGBs
 - Athletes such as golfers and snooker players may choose to take betablockers to calms their nerves and keep their arousal levels low so that they are able to carry out shots with a high degree of accuracy
 - Athletes such as boxers may choose to use steroids to increase their aggression so that when they go into a fight they act more violently towards their opponent
 - Anabolic steroids help in storing protein and promote muscle hypertrophy, which increases strength and power, useful for weightlifters to allow them to lift heavier weights in competition
 - EPO may be used by long distance cyclists as the increased aerobic capacity allows the cyclist to last longer during events and enables them to buffer lactic acid and save energy for sprint finishes.
- **AO3** Analysis of short and long term implications of drug taking
 - It can damage an athlete's reputation/negative publicity if caught, meaning that future sponsorship deals are less likely
 - Long term this could mean that an athlete will struggle financially and therefore unable to remain professional in their sport
 - Drugs such as anabolic steroids can lead to mood swings and paranoia, which can make training very difficult, coach-athlete's relationship may be affected by mood swings/could lead to long term depression
 - Increased aggression as a result of anabolic steroids can be detrimental to a boxer as they may end up becoming over aggressive leading to them breaking rules, such as head-butting an opponent, could lead to long term bans from sport
 - EPO can result in blood clotting and strokes, which means that athletes are putting their lives at risk
 - Anabolic steroids can result in kidney failure, making continued training impossible, possible death

 Analysis linked to Russian athletes, such as all athletes labelled as drugs cheats and stricter testing of Russian athletes at future events.

The specification only requires students to know about erythropoietin (EPO), anabolic steroids and beta blockers but knowledge of other performance enhancing drugs should be credited if correct and relevant.

Accept any other appropriate analysis of short and long term implications of drug taking.

Student responses

Response A

An athlete may take drugs for a number of reaso 51010910 anabolic Mass Aue In hich will allau aking of SIP Improved nuscular sprength Sons may indudi Increased Undurance EPO Capan due to increased naemoalobin reduce nerves and anniety willhuld Will also her Sleay a performus 10 1/ 11 Ma One with their from. Dressure need to win via M. Improvan may involve arva laking will a am WINCIEDSER Sponsors to Succed Ma also Sure IIM 50 cause all rate anos . 1 to being role mod SUCCOLD in order to impress OTTUS. lack of detients o mony nor autor associated with WAL

Mis.

Success and

Taking drugs an have both Short-term and long-term affects on an individual. In terms of health drugs such as anabolic studds con case Severe a cone and nuscellar cramps Whereas in the long-ferm useage can cause blood clothing in the case of EPO which can lead to death. con case mental health problems as und aanunt living king arups be banned for a in ammant lime Medals may also be titles. Mancver in My long-run Lamis hud repretation which may limit MUL abi to become a role model again. hard to allrall sponsarship which could pre Mui combach in sport. it may also cause Mony to have disbelies in Mus May Lawer Se

This is a Level 3 response

Response A contains a good breadth of knowledge regarding the social, physiological, and psychological reasons for athletes to take drugs. Key terminology is evident throughout. The answer also analyses the short and long term implications of drug taking, although this lacks depth. The answer is lacking in application to relevant sports, however. Where reasons are stated for drug use these can be applied quite specifically to named sports, eg steroid use in 100m sprinting, demonstrating a greater depth of understanding.

Response B

One social nection on attribute may take drugs is they are pressured to by coaches or spansors. As withning is such large nothertor with huge phancial rewards and postthe media commung from it coaches and sponsors may preisure a performant to take drugs to make some they won. The coaches and spongers will then beneft from the successful athrete of they are undetected. Another social reason is that an attilete may feel they can't win without taking them because everyone else is taking them which pressures them to. For example young checilists, see role models such as Lance Armothene any being successful because of why drugs therefore feel they need to in order to be successful. Another people is social nearon is that an athlete may turk that deterate the dug will go undetection as the deterents aren't good enough of the athlete believes the risk of taking drugs and getting caught is low and therefore it is a good way to be successful A physiological reason could be that taking the days morores performance and enhances their abilities. For example a weight lifter could use anabolic storoids to monease maximum power, a sprinter could use standants to manage their reaction the and

a long distance numer call use sodium biocalbanage to

decrease that biffering apacety of their blood and improve indurance. Another physiological reason woold be the performer may have an injury and therefore to perficipate with the number has to take drugs. A pythological reason would be to help a performer control their anstrety and nerves before their entitled. For example beta blockers which are depressent with help an archer improve the poersay as & allows them to stay relaxed and canter their anstrety.

for each individual actuate and the event they participate m.

The short term implications of dring taring is that it can damage argetuletes health white enhancing their pejohance. It could also cause social iscillation from poors aswell if they don't take drigs.

If the attribute was caught taking drugs m the long term their repitation would be dawaged and their medals would be stripped. They would lose macrine and sponsorship from it and receive long term bans from it. For the sport it would cloud the success of clean attributes with the media pousing on the regative implications, such as the drug taking. It also creates an association to

in cycling it is known to be a sport the sport, Where the nogentry of attuetes take drugs this then leads to younger athleter and taking drugs because Models Ar roul ane The However of an athlete was not caught then mandage their profile, manage dry taking could and moneage their salary and prize wohey sellemance

This is a Level 4 response

Response B shows comprehensive knowledge of the reasons why an athlete may take drugs. There is a breadth and depth to the application, with several sports specific links made. In addition, the analysis of the short and long term implication is more coherent with frequent links between different aspects of the question made. The student recognises that, while the long term effects will likely be negative, there is a chance they could get away with it and reap the rewards of their improved performance.

Question 21 (2022)

Media coverage of professional tennis has increased over the past 20 years. Tennis players are increasingly required to interact with the media in the lead-up to matches.

Evaluate the impact the media may have on a professional tennis player's self-efficacy in an upcoming match.

Refer to Bandura's Model of self-efficacy in your answer.

[15 marks]

Mark scheme AO1 = 4, AO2 = 5, AO3 = 6

Students are expected to answer in continuous prose, use good English, organise information clearly and use specialist vocabulary where appropriate.

Level 5

13–15 marks

- Knowledge is consistently comprehensive, accurate and well detailed.
- Application of breadth or depth of knowledge is clearly evident.
- Analysis and/or evaluation is coherently and consistently made between different relevant factors and their impact.
- Relevant terminology is almost always used.
- The answer demonstrates a high level of substantiated reasoning, clarity, structure and focus.

Level 4

10–12 marks

- Knowledge is usually comprehensive, accurate and detailed.
- Application of breadth or depth of knowledge is often evident.
- Analysis and/or evaluation is often made between different relevant factors and their impact, and is usually coherent.
- Relevant terminology is usually used.
- The answer usually demonstrates substantiated reasoning, clarity, structure and focus.

Level 3

7–9 marks

- Knowledge is generally accurate and sometimes detailed.
- Application of breadth or depth of knowledge is sometimes evident.
- Some analysis and/or evaluation is made between different relevant factors and their impact, but may sometimes lack coherence.
- Relevant terminology is used but may sometimes be missing.

• The answer sometimes demonstrates substantiated reasoning, clarity, structure and focus.

Level 2

4–6 marks

- Knowledge is sometimes accurate but may lack detail.
- Application of breadth or depth of knowledge is occasionally evident.
- Some analysis and/or evaluation is attempted between different relevant factors and their impact, but is likely to lack coherence.
- Relevant terminology is occasionally used.
- The answer occasionally demonstrates substantiated reasoning, but may lack clarity, structure and/or focus at times.

Level 1

1–3 marks

- Knowledge is limited and may lack accuracy and detail.
- Application of breadth or depth of knowledge is likely to be limited or not evident.
- There may be very little or no analysis and/or evaluation made between different relevant factors and their impact.
- Relevant terminology used only very occasionally.
- The answer often lacks substantiated reasoning, clarity, structure and/or focus.

0

No relevant content.

Possible content may include:

AO1 Knowledge of media and self-efficacy

- Media: radio, TV, satellite, internet and social media
- Self-efficacy: a belief in your ability to master a specific sporting situation
- Bandura's Model of Self-efficacy
 - Performance accomplishments: what you have achieved already.
 - Vicarious experiences: seeing others do the task.
 - Verbal persuasion: encouragement from others.
 - Emotional arousal: a perception of the effects of anxiety on performance.

AO2 Application of media and self-efficacy to the tennis player

- Application of media to tennis
 - Tennis is regularly shown on TV.
 - Major tournaments generate high viewing figures.
 - Many players are high-profile celebrities with large social media followings.

- Highlights/reports etc can be seen across the internet.
- Application of self-efficacy to tennis
 - Performance accomplishments: a tennis player may have previously beaten their upcoming opponent.
 - Vicarious experiences: a tennis player may see a similarly ranked player beating their next opponent.
 - Verbal persuasion: the tennis player's coach may give them encouragement before their upcoming match.
 - Emotional arousal: the tennis player may use stress management techniques to achieve optimal arousal.

AO3 Evaluation of the impact the media may have on a professional tennis player's self-efficacy in an upcoming match

- Positive impact:
 - Performance accomplishments: media commentators may highlight that the player has never lost to their opponent in their previous ten meetings which will increase their self-efficacy.
 - Vicarious experiences: the player will be able to watch other players of similar rank on TV/internet beating their next opponent which will increase self-efficacy.
 - Verbal persuasion: commentators may predict that the player will win their next match increasing their self-efficacy.
 - Emotional arousal: as the player is a professional, they will be in the autonomous stage of learning and as such an increase in emotional arousal, due to a large TV audience/media presence, will result in social facilitation and increased self-efficacy.
- Negative impact:
 - Performance accomplishments: media commentators may highlight that the player has never beaten their opponent in their previous ten meetings which will decrease their selfefficacy.
 - Vicarious experiences: the player will be able to watch other players of similar rank on TV/internet losing to their next opponent which will decrease self-efficacy.
 - Verbal persuasion: commentators may predict that the player will lose their next match decreasing their self-efficacy.

Student responses

Response A

Bandura, model al rell elwacy outline, the effect of previous inccesses, viccious experiences, po pertoatre comm persuasse communication and emotional avenial.

For example, in a high public internow before a game, the mener may remained the tennes player of a previous match where they did not play to a high standard. This will tet derelop negative thought when the player and reduce their confidence within their game as they are imagining another loss. They may become domotraled on the large media wrevage highlight to public his realiness. The means in he game the they may led evaluation appeliences canny unreared award and will have lutter nutabes, losing the rally However, & memberener hyper them up andremends them hav good they are by Jaying - you are lop ten in the

nord', this will improve the Self ateen of player and cover HR as Hey Ceel really and motivated to perform. They are reminded of they successes and this will meaner spenlic annellas general (in all i hahons) Tell ellicacy, meaning they enter the next match with politice thought and low iter level. Due to being a protessional they were have high amounts of prevous incessful onhones. example dup shot. VICanon Lexperences 11 celling someone else of our ability complete thill, showing Extra space It N possible. The intervience may be a clip of competitor playing a shot they shuggle to do correctly, using player al very imilar ranking. The on one hand could

mereare and is motivation and

as they think it is achevable, to

meaning their show approach

behavon in her match and

could be the make or break

have the wish of a drop shot which

point between winning and loving the game. On the other autonom. hand, due to being a proletional, the hatching their opponent early perform that they could beet threatened as they their portion in the competitions inght be taken away. The pressue hom land and young childen watching if immense, as they dive to be a good whe model and perform to inspire participation, but the media pressue and or event abound when loving inay take one.

Emotional anomal 11 how nell 9 player deals with avoiral and courg be coquitre or somatic ellects. The andience and (coactori) may (neave the 17R and dutraet the terms player from their goals meaning they are hyperlowed on the media during game rather then tactics and stategies. For example Andy Murray has many pregame intervens is nhich an andrence and press If here to water. However,

autonomory performers seque high ceress of around to reach peak Glow Jo this high ellicacy and pressue to are may make men perform they absolute bert. Persuane communication is the input of others and powhe words to reinfone actions. It interese congratulal la getting the law, they may increase ellicay and diplay high levels of confidence, intimidating opponent and they can use

This is a Level 4 response

This response does an excellent job of AO1, AO2 and AO3 for 3 out of the 4 components of Bandura's model. Unfortunately, it fails to correctly identify the final component, verbal persuasion. While there is some application in this final paragraph, this knowledge error and the overall lack of depth in this final section prevent the answer from being in the top band.

Response B

Tennis Mab tairnaments new recieve large vienerships due to the medi sactor as For example, millions people watch Wimbledon every year. As a result player are required match interviews. Bandura DIR na four factors that affect self-efficiency. One of these factors verbal is persuasion. This repers to the idea that if the player is being told positive things sudday their self-efficacy. unclase player Deura If the VS asted tennis that suggest they are questions self-efficacy well increase their havever, it could cause their self - effican decrease if they are being told opponent is seally good or are not playing well themselves at moment. Another factor Boundura proposed is Performance Accomplishments. This refers the idea that if you have recessful in the past your self efficacy is litely to uncrease. Tor example,

the tennes player may be playing so someone they have played before the interviewer reminds them that them before have beaten Sel levels will increase havever, they be reminded that they have 10 them for a very lancy time Deaten which could cause them to doubt them themselves and self-efficacy will decrease In addition, one patter is vicarious . This refers to the idea that Reperiences ivacy will werease (F someone else being successfu sel especially if they are a significant The media cenind Extra space carl that someone player similar 10 ability beat next opponent thur selr-eleicacy would increase their etal because they believe they carl d the same however, they may also nave ssed someone lose which could decrease selc efficary levels.
factor Bandwra proposed motiona arau ar become de leve δ xe 0 M th natching ma 0 cauld the na 10 aper-arouse WAN Ce. and levels to C nave へ then essima with nt tech manademe ALOA drau the 0 a too much cacy

This is a Level 5 response

This response reflects the standard required of a full-mark answer. For each of the 4 components of Bandura's model, they are able to consider its impact on self-efficacy in tennis and make links to the role the media plays in affecting this.

15 marks

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