

GCE

Physical Education

Unit **H155/02**: Psychological and socio-cultural themes in physical education

Advanced Subsidiary GCE

Mark Scheme for June 2017

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This mark scheme is published as an aid to teachers and students, to indicate the requirements of the examination. It shows the basis on which marks were awarded by examiners. It does not indicate the details of the discussions which took place at an examiners' meeting before marking commenced.

All examiners are instructed that alternative correct answers and unexpected approaches in candidates' scripts must be given marks that fairly reflect the relevant knowledge and skills demonstrated.

Mark schemes should be read in conjunction with the published question papers and the report on the examination.

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Annotations used in the detailed Mark Scheme

Annotation	Description	Annotation	Description
***	Tick	KU	Knowledge and understanding / indicates AO1 on Q4
×	Cross	EG	Example/Reference / indicates AO2 on Q4
BOD	Benefit of doubt	DEV	Development / indicates AO3 on Q4
TV	Too vague	L1	Level 1 response on Q4
REP	Repeat	L2	Level 2 response on Q4
IRRL	Significant amount of material which doesn't answer the question	L3	Level 3 response on Q4
SEEN	Noted but no credit given / indicates sub-max reached where relevant		

Available but not used: 'BP' (blank page) – 'SEEN' is used; 'K' (knowledge) – Tick is used except on Q4 where 'KU' is used.

- Sub-maxes are indicated with SEEN; the guidance section of the mark scheme shows which questions these are relevant to.
- **KU** and **DEV** used <u>instead</u> of ticks on the extended response question to indicate where knowledge or development points from the indicative content have been made.
- On the extended response question (Q4), one KU or DEV does not necessarily equate to one mark being awarded; the marking is based on a
 levels of response mark scheme which awards a level and mark holistically based upon the quality of the response overall against the levels
 descriptors.

		ction	A		
Q	uestic	on	Answer	Marks Guida	
1	(a)	(i)	(C) Massed	1 (AO1)	Varied = BOD
		(ii)	Two marks from: 1. (practice type) Whole (AO1) 2. (explanation) (it needs to be practised all together) as the set shot is not easy to break down (in to parts/subroutines)/ /is high organisation /is a ballistic skill / to develop kinaesthesis (AO2) 3. (practice type) Fixed (AO1) 4. (explanation) because a set shot is performed in a similar environment/ is generally a closed skill (AO2) 5. (practice type) Distributed (AO1) 6. (explanation) (as this would allow the performer to have) rest/recovery/ prevent too much overload/ allows mental rehearsal/ allows time for feedback (AO2)	2 (1 xAO1 1 x AO2)	Do not accept: As a whole (rep of Q) Mark first practice type only Max one mark for practice type Max one mark for explanation
		(iii)	2 marks from: 1. (practice type) whole (AO1) 2. (explanation) the triple jump involves several discrete skills/subroutines put together (so it would not be beneficial just to teach it as a whole)/ Not recommended for low organisation skills (AO2) 3. (practice type) varied (AO1) 4. (explanation) the triple jump is always performed in the same way/the environment is closed/ it's a closed skill (AO2) 5. (practice type) Massed (AO1) 6. (explanation) triple jump is ballistic/ fatigue easily if there are no breaks/ could lead to injury (AO2)	2 (1 xAO1 1 x AO2)	Mark first practice type and reason only Max one mark for practice type and one mark for correct explanation Explanation must link to practice type listed

uestio	n	Answer	Marks	Guidance BOD – ball feeding machine
(b)	(i)	Two marks from: 1. (mechanical) the use of aids/ equipment/machines to support the performer 2. E.g. using a twisting belt (in trampolining)/ arm bands/ stabilisers/ scrum machine/ tackle bag	2 (AO2)	
	(ii)		3 (AO3)	

uestion	Answer	Marks	Guidance
(c) (i)	One mark from: 1. Knowledge of results/ terminal 2. Extrinsic/ external/ visual	1 (AO1)	
(ii)	Three marks from: KR Submax two for positives, Submax two for negatives Positives 1. It is needed to know if the actual movement was successful 2. Can motivate performers 3. Very objective/based on data/ measurable/ can allow for comparison/ basis for goal setting Negatives 4. Can be too statistic based 5. Does not develop understanding/ only gives feedback on the outcome not the	3 (AO3)	Response must relate directly to answer given 1ci - if 1ci is incorrect no marks can be awarded
	technique 6. Could reduce motivation (if feedback is too negative)/ could lead to drive reduction Extrinsic Submax two for positives, Submax two for negatives Positives 7. Can motivate performers 8. Gives information about areas of weakness 9. Can be more objective/less biased than other methods 10. Can be more accurate/ coach has greater knowledge Negatives 11. Can become too reliant on external feedback/doesn't learn to develop internal feedback/kinaesthesis. 12. Feedback could be inaccurate		

	Sec	ction	A		
Q	Question Answer		Answer	Marks	Guidance
	(d)	(i)	 four marks from: (element of model) Retention The student must remember/retain the image/coaching points of the teacher doing the serve/ create a mental image (element of model) Motor reproduction The student must have the physical ability (to copy/practise the serve.) (element of model) Motivation To copy the serve the student must want to/be motivated to match the performance of the teacher/ must see the relevance/ or external reinforcement will motivate 	4 (2 xAO1 2 x AO2)	Maximum of 2 marks for element Maximum of 2 marks for explanation. Points 2, 4 and 6 must relate to correct element Must make some reference to the example accept – teacher, student, class, pupils, performer, table tennis or serve Reference to 'of the demo' = TV
		(ii)	Two marks from: 1. Repetition of the demonstration 2. Role model/ significant other/ high status person performing the demonstration 3. Successful performance/ positive reinforcement of the behaviour 4. Similar age/same gender/ethnicity of the person performing the demonstration. 5. Skill seen as relevant to them/ fun 6. If they (perceive they) can do it 7. If they are motivated 8. If the demonstration is of a high quality/clear/ if attention has been drawn to specific points	2 (AO2)	Mark first 2 only
2	(a)	(i)	What makes a person unique OR characteristics/traits that influence behaviour OR the way you interact with others/environment	1 (AO1)	

Question	Answer		Guidance
(ii)	People are born with their personality/ genetic / inherited/ innate	Marks 1 (AO1)	Do not accept: combination of personalit theories
(iii)	Two marks from: Submax one from: (stable) 1. Constant/ less variable/ emotionally level/ enduringe.g. a football player displays steady emotions/ similar mood when she is playing on the pitch and when she is socialising with team mates after the game 2. Predictable behavioure.g. a basketball player's behaviour and response to the result/spectators is always very similar (and therefore predictable). 3. Does not experience high stress levelse.g. a hockey player before the match is able to remain reasonably calm (when the spectators start to clap and cheer.) 4. Recover from stressful situations quicklye.g. a volleyball player can recover quickly from serving faults Submax one from: (extrovert) 5. Outgoing/ sociable/ confident/seeks attention/ seeks social approval/ loude.g. a netball player is sociable with her team mates 6. Seeks excitement/arousal/ enjoys a crowde.g. a rugby player want to be picked for the local derby 7. May lack concentratione.g. a football player gets distracted by the shouts from spectators 8. May show leadership characteristicse.g. be a captain	2 (2 xAO2)	Example must be from a TEAM sport Must have at least one sporting example to gain both marks Look for description and award mark even if not stated as stable or extrovert Pt1 - Emotionally stable BOD (do not allow stable on its own)

	tion .		Marks	Ouidana.
Question		Answer	Marks	Guidance
(b)	(i)	Three marks from: Submax one from: 1.(stage) Storming Submax two from: 2. Roles start to become established 3. May be conflict/ arguments /players challenge each other / power struggles occur, 4. The team would start to develop a focus/ goal. 5. Cliques/ sub groups may start to form 6. The teacher might have to encourage the group to compromise/leader steps into more of an advisory role	3 (1 xAO1 2 x AO2)	Submax 2 if no named stage or incorrect stage named Pt6 rely on coach = BC
	(ii)	7. Players start to take responsibility/ make decisions Two marks from: 1. (faulty process) Co-ordination losses/ Ringlemann effect 2. (explanation) breakdown in teamwork/arguments/error from a player / as group size increases coordination decreases/ poor tactics	2 (2xAO1)	Mark first faulty process only Max 1 mark for faulty process Max 1 mark for
		OR 3. (faulty process) Motivational losses/ social loafing/ Ringlemann effect		explanation Allow explanation withi example
		4. (explanation) when an individual in the team suffers a drop in motivation / coasts/ injury to key players/ team members have conflicting aims/ as group size increases individual motivation/effort decreases		Explanation must mate identified faulty process Pt 4 – candidate must make reference to the individual not the whole team Pt 4 - not giving 100% is BOD

Se	ction	A		
Questi		Answer	Marks	Guidance
(c)	(i)	Two marks from: 1. He may be experiencing state anxiety/ temporary response to situation 2. Situation may seem threatening/ level of competition/ could be first Olympics 3. Worried about failure/ letting country down/ pressure to win 4. May experience evaluation apprehension	2 (AO2)	Accept arousal instead of anxiety
	(ii)	 Three marks from: 1.ZOF is the level (of anxiety) at which an individual performs best 2.People require different levels of anxiety to perform at their best/ peak flow points are different/ ZOF is different for different people 3.Some have a more/less sensitive Reticular Activating System / RAS (therefore respond differently to different levels of anxiety) 4.This gymnast may have a high zone of optimal functioning 5.So he needs/can cope with higher levels of anxiety to be in his 'zone' of best performance. 6.For another gymnast this (level of) anxiety may be too high 7.They may be in their zone with low levels of anxiety/ low ZOF 8. Introverts usually have low ZOF/ extroverts usually have high ZOF or introverts perform better at low(er) anxiety/extroverts perform better at higher anxiety 	3 (AO2)	Do not accept: Reference to anything other than elite level Accept arousal instead of anxiety
(d)	(i)	An action/ behaviour intended to bring about harm or injury (outside the rules of the game)	1 (AO1)	
	(ii)	Five marks from: 1. Frustration can develop when goal (directed behaviour) is blocked. 2. Frustration can increase arousal 3. Interactionist view/ frustration generated by environmental triggers and an aggressive gene/trait 4. If aggressive act is successful frustration is released/ catharsis is achieved 5. If the aggressive act isn't successful/they are punished this could lead to more frustration/ aggression. 6. Frustration doesn't always lead to aggression 7. Individuals can overcome frustration/ theory is deterministic and ignores free will	5 (AO3 x 5)	Do not accept: Frustration leads to or causes aggression (rep of question) Diagram with no justification

		ction		T	
Q	uestic	on	8. Aggression can still occur without presence of an obstacle 9. Social learning/observational learning is not accounted for	Marks	Guidance
3	(a)	(i)	Five marks from: Transport (sub max 4) 1. Lack of transport limited opportunities for the lower class/ Upper class had transport and therefore more opportunitye.g. lower class only able to walk to events/ upper class had horse and carriage (Lower class) 2. They couldn't travel far so games were localeg mob football people could only play teams nearby 3. They couldn't travel far so there were not enough teams to set up a league or cupseg mob football was usually just played between local villages 4. As people didn't travel far there were no standard rules so games did not spread e.g. mob football had different rules in every area therefore teams could not play each other	5 (3 x AO1 2 xAO2)	Do not accept: anything relating to spectators Must have two examples to gain 5 marks. If only one example submax 4 marks. No practical examples = no marks Points 2, 3 and 4 allow opposites if reference to upper class
			 5. Transport became the basis for some sports eg walking became pedestrianism/ riding became horse racing 6. Upper class built their own facilities at home to avoid having to travel (on poor quality roads) e.g. they built their own real tennis courts 		Points 7 and 8 allow opposites if reference to upper class

Questic	ction	A	Anower		Marks	Guidance
Questin		8. Lack of education meant s	he rules of real tennis there	fore could not play , so people didn't play	IVIAIRS	
	(ii)	One mark from: 1. People could travel to play international fixtures 2. Sport/fixtures became mor 3. The variety of sports incread. Sport spread/ became glob	e regular/ leagues were for ased the opportunities	•	1 (AO1)	Do not accept: anything relating to spectators Mark 1 st attempt only
(b)	(i)	William 1800	John 1900	Jim > 2000	1 (AO1)	Do not accept: Names need to be in this order to achieve the mar They do not have to be a precise spot on the timeline but within the banded areas.
	(ii)	Three marks from: 1800s/William. Sub max 2 1. Very long hours so no (free) ti 2. Very long hours so little energ 3. Few holidays/bank holidays so 1900s/John Sub max 2	y/too tired to play.		3 (AO2)	Must make reference to the worker's name, date or hours worked to awar mark

Section		I	1
Question	Answer	Marks	Guidance
	 5. Reduced length of working day / (57 hour) week, so more time to play. 6. Less work meant more energy to play. 7. Sport became more regular as working hours reduced 8. (impact of) Half day Saturday/half day Wednesday/ early closing movement meant more time to play/ more competitions (leagues/cups). 		
	2000s/Jim Sub max 2		
	9. More leisure time to participate10. Less working hours means people have more energy to participate11. More holiday time allows for increased participation.		
(c)	Five marks from:	5	Dt 7 Colobrition DOD
	Positive effects of media coverage: Sub max 4 for positives	(AO3)	Pt 7 Celebrities = BOD
	Media increases commercialism (created the golden triangle)/ more money is available to sport (to improve facilities)		
	2. Media increases participation.		
	3. Sport is now globalised/ sports from around the world can now be viewed anywhere at any time		
	4. Increase in standards of play/ professionalism has been enabled.		
	5. Professional sports players able to earn high salaries.		
	6. Increase in spectatorism/ people who can't watch live can watch at home		
	7. Creation of role models		
	8. Increased profile of minority/women's /disability sport/cultural games.		
	9. Increased technology / fairer results / retrospective discipline		

Section	Α		
Question	Answer	Marks	Guidance
	10. Improved rules or versions of sports / exciting to watch		
	11. Educate/ inform about sport(s)		
	Negative effects of media coverage: Sub max 4 for negatives		
	12. Media demands control of sports/ sports performers		
	13. High stakes can cause deviant behaviour e.g: cheating, match fixing, drug taking.		
	14. 'Armchair athletes,' more people spectate rather than participate.		
	15. Loss of privacy for sports stars.		
	16. Media can sensationalise/highlight issues outside of the game which then reflect badly on the sport (e.g. players having affairs/tax evasion)		
	17. Biased towards popular/male/able bodied sport		
	18. Highlights bad behaviour/ negative issues (during the game)		
	19. Negative role modelling / young athletes copy deviant behaviour		
	20. New rules and versions go against the traditional values of sport		
	21. Altered timings can impact on performance of elite athletes.		
	22. Increased officiating technology has slowed the game		
(d) (i)	Two marks from:	2 (2x	Do not accept:
	1. Reduced discrimination/ develop equality 2. Unite/ bring people together / friendship/ spread goodwill 3. Develop respect	AO1)	Pt 7 do not accept single examples of physical and moral qualities
	4. Teach fair play/ sportsmanship 5. Develop peace/ harmony 6. Educate people through sport		Mark first 2 aims only

Question	Answer	Marks	Guidance
	7. Promote development of physical and moral qualities (e.g. excellence, courage, determination, inspiration)		
(ii)	Three marks from:	3 (AO1)	
	Idea of De Coubertin / De Coubertin was founder		
	(he was Influenced or inspired by) Ancient Olympic Games		
	(he was Influenced or inspired by) Cotswold (Olympic) Games or (Robert) Dover Games		
	 (he was influenced or inspired by) (Much) Wenlock (Olympian) Games / Dr William Penny Brookes invited De Coubertin to Much Wenlock 		
	5. Which he (Brookes) established to develop moral, physical and intellectual improvement using sport as the vehicle		
	6. (he was influenced or inspired by) Public Schools/ De Coubertin visited Rugby School or the Public Schools		
	7. IOC was formed in 1894 in Paris		
	8. 1896 first Modern Olympic Games held in Athens		

	Section B					
Question	Answer	Guidance				
4*	Level 3 (8–10 marks)	At Level 3 responses are likely to include:				
	 detailed knowledge & understanding (AO1) 	Accurate definition of arousal				
	 clear and consistent practical application of knowledge & understanding (AO2) 	All 3 theories outlined in detail (Drive, Inverted U, Catastrophe)				
	effective analysis/evaluation and/or	Consistent and accurate application of sporting examples				
	discussion/explanation/development (AO3)accurate use of technical and specialist vocabulary	Detailed discussion of how skill type and stage of learning are affected by arousal				
	 there is a well-developed line of reasoning which is clear and logically structured. The information presented is relevant and substantiated. 	At the top of the band candidate <u>may</u> acknowledge the role of books.				

	Section B	
Question	Answer	Guidance
	 Level 2 (5–7 marks) satisfactory knowledge & understanding (AO1) some success in practical application of knowledge (AO2) analysis/evaluation and/or discussion/explanation/development attempted with some success (AO3) technical and specialist vocabulary used with some accuracy there is a line of reasoning presented with some structure. The information presented is in the most-part relevant and supported by some evidence. 	 cognitive and somatic arousal Correct technical language is used throughout At Level 2 responses are likely to include: Basic definition of arousal All 3 theories outlined in basic detail OR Outlines 2 theories in detail Some application of sporting examples Some discussion of skill type and stage of learning, however answer may be brief or show imbalance There may be some inaccuracies in the use of technical vocabulary Maximum of 3 marks to be awarded for AO1 and 3 marks for AO2
	 Level 1 (1–4 marks) basic knowledge & understanding (AO1) little or no attempt at practical application of knowledge (AO2) little or no attempt to analyse/evaluate and/or discuss/explain/develop (AO3) technical and specialist vocabulary used with limited success the information is basic and communicated in an unstructured way. The information is supported by limited evidence and the relationship to the evidence may not be clear. (0 marks) No response or no response worthy of credit. 	 At Level 1 responses are likely to include: Attempted definition of arousal Limited outline of 1 or 2 theories Limited application of sporting examples Limited discussion of either skill type or stage of learning Maximum of 3 marks to be awarded for AO1 with no application.

Question	Indicative content	Marks	Guidance
4*	Definition Degree of physiological and psychological readiness or activation/ energised state/readiness for action/ intensity of motivation/ drive to achieve (AO1) - can vary/ is on a continuum (AO1)	10 (AO1 x3, AO2 x3, AO3 x4)	Look for e.g.s (AO2) embedded in response

Question	Indicative content	Marks	Guidance
	- deep sleep to intense excitement (AO1) - two types of arousal (AO1) 2. somatic/ physiological arousal (AO1) - e.g. changes in heart rate/ blood pressure/ respiration (AO2) - relates to changing state of the body (AO2) 3. cognitive/ psychological arousal (AO1) - e.g. worry/ negative thought (AO2) - relates to state of mind (AO2) 4. Increases in both types of arousal can be experienced when performing sport (AO1) - effect of the change/ increase in arousal depends on the performer (AO3)		
	Theories 5. (Hull's) Drive Theory (AO1) - States that an increase in arousal is proportional (linear relationship) to an increase in the quality of performance/ as arousal increases so does quality of performance (AO1)		
	OR	li li	10gh 1
	- Accept correctly labelled diagram as explanation (AO1)		Petranse
	6. Quality of performance depends on how well the skills have been learned. (AO3)		Low High Figure 5.1.6 Drive theory

Question	Indicative content	Marks	Guidance
	 Dominant response is the learned behaviour/ response that is most likely to be given by the performer. (AO1) As arousal increases a performer is more likely to exhibit their dominant response (AO3) 		(Drive theory)
	 7. Inverted U theory (Yerkes Dodson) (AO1) This theory suggests that as arousal increases so does the quality of performance. (AO1) Up to a midway point/ optimal point/ moderate level(AO1) OR Accept correctly labelled diagram as explanation (AO1) 		Optimum arousal level Arousal Figure 5.1.7 Inverted U theory (Inverted U theory)
	 8. Low levels of arousal/under arousal leads to poor performance (AO1) - Hard to focus/ difficulty in concentrating (AO2) - Attentional field is too wide (AO3) - Attends to all cues so attention is spread too thinly (AO3) - Limited ability to concentrate (AO3) 		

Question	Indicative content	Marks	Guidance
	 9. Best performance occurs at moderate levels of arousal. (AO1) Attentional field adjusts to ideal width (AO3) Attend to relevant cues and ignores irrelevant cues/ selective attention occurs (AO3) Enables concentration/ perfect state for learning (AO3) 10. At high levels of arousal/over arousal leads to poor performance (AO1) Attentional field becomes too narrow (AO3) Miss relevant cues so don't make good decisions (AO3) Performer experiences excessive degree of activation/ may panic/ hypervigilance (AO3) Limited ability to concentrate.(AO3) 		
	 11. Catastrophe theory (AO1) Suggests that as (somatic) arousal increases quality of performance improves (AO1) But optimal performance will only be achieved if cognitive arousal/anxiety is kept low. (AO3) Over arousal can lead to a catastrophe/ dramatic drop in performance (AO1) If high cognitive arousal and high somatic arousal occur then the performer will go beyond optimal level of arousal and a 'catastrophe' will occur/ have 'gone over the edge' (AO3) Performer may be able to regain a higher level of performance after the catastrophe if arousal is reduced/controlled (AO3) OR Accept correctly labelled diagram as explanation (AO1) 		Optimum arousal Arousal Arousal Arousal (Catastrophe theory)

Question	Indicative content	Marks	Guidance
	12. Cue utilisation(A01) - Levels of arousal affect how well cues are used (AO1) - At low arousal both relevant and irrelevant cues are attended to	Marks	
	 (AO1) At moderate/optimal arousal only relevant/task cues are attended to (AO1) At high arousal relevant cues are missed/ hypervigilance occurs (AO1) Hypervigilance can be beneficial for some performers (AO3) e.g. target sports (AO2) 		
	 13. Zone of Optimal Functioning/ZOF (Hannin) (AO1) Applies to autonomous performers (AO3) Each athlete has a different zone (AO3) Performers are either in their zone or out of it (AO3) Involves an affective emotional response/ peak flow (experience) (AO3) e.g. enjoyment, feeling of euphoria, feeling of nothing can go wrong (AO2) 		

Question	Indicative content	Marks	Guidance
	Stage of learning		
	14. The stage of learning will influence the effect that arousal has on performance (AO3)		
	15. Cognitive/ associative learners will perform better with lower levels of arousal. (AO3)		
	16. Autonomous performers will perform better with higher levels of arousal. (AO3)		
	17. An experienced athlete's 'curve' will shift to the right of the graph as they can cope with higher levels of arousal/ a novice athlete's 'curve' will shift to the left of the graph as they can't cope with higher levels of arousal (AO3)		
	 Advanced performer is more likely to be able to selectively attend as they know the correct cues (AO3) 		
	Type of skill being performed		
	19. Gross/ ballistic/ dynamic skills may benefit from higher arousal levels (AO3) 20. e.g. shot put, boxing, 100m sprint (AO2)		
	21. Fine skills may be performed better with lower arousal levels (AO3) 22. e.g. dart throw, golf putt, archery (AO2)		
	23. Simple skills may benefit from higher arousal levels (AO3) 24. e.g. sprinting, swimming (AO2)		
	25. Complex skills may benefit from lower arousal levels (AO3) 26. e.g. tumbling routine, cricket batsman selecting shot (AO2)		

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