

GCE

Physical Education

Advanced Subsidiary GCE

Unit **G451:** An Introduction to Physical Education

Mark Scheme for January 2012

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G451 Mark Scheme January 2012

Annotations used in the detailed Mark Scheme (to include abbreviations and subject-specific conventions)

Annotation	Meaning
✓	Correct response
×	Incorrect response
BOD	Benefit of the doubt
REP	Repeat of key point in question or point already awarded
?	Unclear/Unable to read/Decipher
L1	Level 1
L2	Level 2
L3	Level 3
KU	Knowledge and Understanding
EG	Example/Reference
TV	Too Vague
DEV	Development
SEEN	Noted but no credit given
IRRL	Significant amount of material which does not answer the question

Section A Anatomy and Physiology

Qı	uestic	on			Answer	Marks Guidance		Guidance
1	(a)	(i)	1.	(joint)	Hinge	1		
		(ii)	1.	brachii)	The biceps brachii is the agonist	3	Accept 1. prime mover	Do not accept
			3.	brachii)	The biceps <u>brachii</u> contracts The triceps <u>brachii</u> is the antagonist		2. shortens 3.	
			4.	(triceps brachii)	The triceps <u>brachii</u> relaxes (to allow the movement)		4. lengthens / extends = BOD	
			5.	(antagonistic pair)	(muscles) work as an antagonistic pair or antagonistic muscle action (only if both biceps brachii and triceps brachii have been named)		5.	Agonistic pair

Question		Answer	Marks	Guidance	
(b)			5		
		ax 3 for inspiration)		Accept	Do not accept
	1. (muscles	Diaphragm <u>and</u> <u>external</u>		diaphragm flattens or lowers	
	contract)	intercostal muscles contract			
	2. (rib cage)	Rib cage or ribs move up and out		2.	
	3. (thoracic	Increasing the volume of the		3. increasing the size of thoracic cavity	increasing
	cavity volume)	thoracic cavity or lungs		or lungs / thorax or chest or chest cavity or rib cage / expands or increased area in lungs = BOD	volume on own
	4. (thoracic cavity pressure)	Decreasing the pressure within the thoracic cavity or in the lungs		Thorax or chest or chest cavity or rib cage	Partial pressure or pp
	5. (pressure gradient)	(air) pressure in the lungs is lower than atmospheric pressure		5.	Partial pressure or pp
	6. (movement of air)	Air rushes in		6.	Oxygen/gas
	Expiration (sub ma	x 3 for expiration)		Accept	Do not accept
	7. (passive)	Expiration is passive		7.	•
	8. (muscles	Diaphragm and external		8. diaphragm returns to dome shape	
	relax)	intercostal muscles relax			
	9. (rib cage)	Rib cage or ribs move down and in		9.	
	10. (thoracic cavity volume)	Decreasing the volume of the thoracic cavity or lungs		10. decreasing the size of thoracic cavity or lungs / thorax or chest or chest cavity or rib cage / decreased area in lungs = BOD	
	11. (pressure)	Increasing the pressure within the thoracic cavity or in the lungs		11. Thorax or chest or chest cavity or rib cage	Partial pressure or pp
	12. (pressure	(air) pressure in the lungs is		12.	Partial
	gradient)	higher than atmospheric pressure			pressure or p p
	13. (air movt)	Air rushes out		13.	Oxygen / gas

Question		Answer	Marks	ks Guidance		
(c) (i)	1. (disease) 2. (articular or hyaline cartilage) 3. (replacement) 4. (causes) 5. (bone spurs)	Osteoarthritis (OA) is a (degenerative) joint disease Caused by a breakdown or deterioration or loss of or damage to <u>articular</u> or <u>hyaline</u> cartilage In OA cartilage is destroyed quicker than it is replaced Friction (between the ends of bones) / pain / swelling / discomfort / inflammation / reduced (range of) motion or flexibility (Bone) spurs (can be) formed (where friction occurs)	Marks 2	Accept 1. 2. worn down / cartilage at the end of (long) bones 3. 4. reduced RoM stiff=BOD	Do not accept OA is a (degenerative) bone disease Weakens cartilage	
	6. (weight bearing joints	OA commonly affects weight bearing joints / it commonly affects hips or knees		6. Ankles / Wrists / Spine / Shoulder	Joints on own	

Question		Answer	Marks		Guidance
(ii)	Development (sub	max 3 for development)	4	Accept	Do not accept
	1. (injury)	An injury to a joint or joint trauma or damage to growth plate can cause (onset of) OA		Examples of joint injuries such as dislocation	
	2. (lifestyle)	Lack of physical activity or increased body weight can cause (onset of) OA		2.	
	3. (forces through joints)	Activity with large forces travelling through the joints or high impact or contact sport can cause OA		3.	
	4. (repetitive actions)	Repetitive actions or skills or overuse can cause OA		4.	
	5. (enzymes)	Exercise causes enzymes to be released which break down cartilage.		5.	
	Prevention (sub max 3 for prevention)		Accept	Do not accept	
	6. (cartilage)	increase thickness of cartilage		6.	Physical activity prevents / reduces OA on own Strengthens cartilage
	7. (synovial fluid)	(thicker cartilage) secretes more synovial fluid that nourishes joint		7.	
	8. (joint stability)	increase joint stability / strengthen ligaments	9.	8.	
	9. (muscle strength)	strengthens (surrounding) muscles or increases muscle tone		9.	
	10. (weight management)	or lower body weight		10.	

Question		Answer Marks	Guidance		
(d) (i)	1. (water) 2. (haemoglobin) 3. (plasma)	(dissolved) in water / as carbonic acid or H ₂ CO ₃ (combines) with haemoglobin / as carbaminohaemoglobin or HbCO ₂ (dissolved) in plasma	2	 As (bi)carbonate ions or HCO₃ Accept close spellings of Carboxyha 	nemoglobin red blood cells
(ii)	1. (movement of gases) 2. (movement of CO ₂) 3. (partial pressures)	gases move from high partial pressure or concentration to low partial pressure or concentration CO ₂ diffuses (from the blood) to the alveoli There is a high partial pressure or ppCO ₂ in the blood / There is a low partial pressure or ppCO ₂ in the alveoli / Partial pressure or ppCO ₂ is higher in the blood (than the alveoli) / Partial pressure or ppCO ₂ is lower in the alveoli (than the blood)	3	2. 3. Concentration of CO ₂ for ppCO ₂ Pts 2, 3 & 4 Capillaries for blood Lungs or air for alveoli	Do not accept
	4. (diffusion gradient)	There is a diffusion or concentration gradient (between the alveoli and the blood)		4. Accept pressure gradient	

Question	Answer	Guidance
(e)*	Levels Descriptors	Levels Discriminators
	 Level 3 (8–10 marks) A comprehensive answer: detailed knowledge & understanding effective analysis/critical evaluation and/or discussion/explanation/development clear and consistent practical application of knowledge accurate use of technical and specialist vocabulary high standard of written communication. 	 At Level 3 responses are likely to include: detailed knowledge and understanding of the effects of a warm up on performance effects of warm up on both skeletal muscle tissue and on the vascular system detailed knowledge and understanding of the effects of a cool down on recovery effects of cool down on both the skeletal muscle tissue and on the vascular system
	Level 2 (5–7 marks) A competent answer: • satisfactory knowledge & understanding • analysis/critical evaluation and/or discussion/explanation/development attempted with some success • some success in practical application of knowledge • technical and specialist vocabulary used with some accuracy • written communication generally fluent with few errors.	 At Level 2 responses are likely to include: satisfactory knowledge and understanding of the effects of a warm up on performance effects of warm up on both or either skeletal muscle tissue and on the vascular system satisfactory knowledge and understanding of the effects of a cool down on recovery effects of cool down on both or either skeletal muscle tissue and on the vascular system
	Level 1 (1–4 marks) A limited answer: basic knowledge & understanding little or no attempt to analyse/critically evaluate and/or discuss/explain/develop little or no attempt at practical application of knowledge technical and specialist vocabulary used with limited success written communication lacks fluency and there will be errors, some of which may be intrusive.	At Level 1 responses are likely to include: basic knowledge of the effects of a warm up on performance understanding of the effects of a warm up on performance likely to be limited basic knowledge of the effects of a cool down on recovery Understanding of the effects of a cool down on recovery likely to be limited
	[0 marks] No response or no response worthy of credit.	

Question	Answer	Marks	Guidance
	Indicative content: Candidate responses are likely to include: (relevant responses not listed should be acknowledged) Numbered points = knowledge / understanding Bullet points = likely to be development of knowledge	10	
	Warm up		
	General		
	1. Improves performance / delays OBLA or onset of blood lactate accumulation/performer can work at a higher intensity for longer before fatigue		
	2. Usually performed in 3 stages:3. light jog / cardiovascular exercise / sub-maximal exercise		
	to increase heart rate or stroke volume or cardiac output or breathing rate or tidal volume or minute ventilation		
	4. mobility exercises or (dynamic) stretching • increased range of movement (around joint)		
	increased secretion of synovial fluid or lubrication of joint / better shock absorption		
	5. sport specific skills or techniquesto activate neuromuscular system or muscle memory		
	6. lasts between 5 and 40 minutes		
	 depending on intensity of exercise to follow 		
	other detail:		
	early sweating leads to better temperature regulation during activity		
	balance of hormones designed to regulate energy production		
	 allows carbohydrates or fatty acids or fats or fuels for exercise to be available earlier 		
	is of significant benefit to asthmatics		
	less risk of injury to ligaments due to increased elasticity or extensibility		
	Skeletal muscle tissue		
	7. less risk of injury / injury prevention		
	8. increased (muscle or core body) temperature		
	decreased muscle viscosity / reduction in viscous resistance		
	• increased elasticity or extensibility of muscle fibres (flexibility of muscle fibres/stretched = TV)		
	increased flexibility / range of movement (around the joint)		
	increased efficiency or economy of muscular contractions or movement		

Question	Answer	Marks	Guidance
	Cool down		
	General		
	17. Aids or speeds up recovery process or EPOC / allows performer to train or compete sooner (after previous bout of activity) / repays oxygen deficit or debt		
	18. Usually performed in 2 stages:		
	19. Light jog or similar cardiovascular exercise / active cool down or recovery		
	 5 − 10 minutes / 30 − 40% of VO₂ max / gradually decreasing intensity 		
	20. (Static) stretching		
	short static stretches of 6-10 seconds each		
	 realigns muscle fibres / relaxes muscle / returns muscle to resting length 		
	21. Cold water therapy or ice baths or contrast water therapy		
	improves removal of lactic acid after therapy completed		
	 improves recovery of nervous system / stimulates the central nervous system 		
	 reduces swelling / minimises effects of DOMS or delayed onset of muscle soreness / improves recovery 		
	from micro-tear damage of muscle fibres		
	can have a negative effect		
	Other detail		
	 compression wear (e.g. compression socks, tights, clothes) have been found to decrease muscle soreness or swelling or lactate levels or increase blood flow and venous return 		
	massage or sleep or nutrition can speed up recovery process		
	Inassage of sleep of flutilition can speed up recovery process		
	Both		
	22. Increased speed of removal of lactic acid or CO ₂ or waste products (from blood or muscles)		
	keeps capillaries dilated		
	flushes oxygenated blood through the muscles		
	Skeletal muscle tissue		
	23. Decreased risk of Delayed Onset of Muscle Soreness or DOMS		
	(which is) intracellular pressure or swelling causes pain		
	experienced 24-72 hours after exercise		
	due to microscopic tears in the muscle fibres		

Question	Answer					
	Vascular system 24. Keeps metabolic activity elevated / gradually decreases metabolic activity • heart rate or respiratory rate or stroke volume gradually decrease or remain elevated • increased enzyme activity involved in buffering or breakdown of lactic acid / increased enzyme activity for efficient breakdown of glycogen in aerobic system or glycolysis 25. Maintains blood flow or stroke volume or cardiac output or blood pressure or venous return • (skeletal) muscle pump or respiratory pump remain active • (which) prevents blood pooling • vascular shunt mechanism remains active					

Section B Acquiring Movement Skills

Q	uestion		Answer	Marks	Guidanc	e		
2	(a)			4	One mark for description via p	oractical example		
		Open			Accept Do not acce			
		1. (Open eg)	Passing or receiving a ball in any game / receiving a serve in tennis / rugby tackle / saving a goal in football or hockey		Must be a situation that has <u>significant</u> environmental influences /sailing = BOD netball / football <u>game</u> = BOD	The name of a sport eg football		
		2. (Open explanati on)	this skill is affected by the environment / environment unstable or changing or unpredictable / predominantly perceptual / needs perception or judgement or interpretation or decision making / a lot of information to process / patterns of movement different each time skill is performed / externally paced / the speed or timing of the skill is dictated or controlled by others / more complex / affected by the		Depending on or relies on environment = BOD Conditions for environment Many factors to consider = BOD Affected by external factors=BOD	Crowd/playing surface Stimuli affect the skill =TV		
		Closed weather or by the wind			1 mark for description via practical example 1 mark for explanation			
		3. (Closed	shot put / hammer or javelin throw /		Accept	Do not accept		
		eg)	triple jump / golf shot / penalty in hockey or football / basketball free throw / gymnastics vault or routine or move		3. Must be a situation that has few significant environmental influences	The name of a sport eg golf		
		4. (Closed explanation)	this skill is not affected (much) by the environment / environment is stable or unchanging or predictable / predominantly habitual / limited information to process / patterns of movement similar each time skill performed / internally or self paced / the skill is simple / the performer controls the speed of the skill / fewer stimuli / fewer responses		4.	No stimuli affect the skill = TV		

Quest	_	Answer		Marks		Guidance		
2 (b)	(i)	Descriptions		3		Accept	Do not accept	
		1. (FB)	intrinsic or internal or kinaesthetic or proprioceptive feedback available during performance / feedback monitors performance		1.	•	'Involves (internal) feedback' on own / 'Feedback during performance' on own	
		2. (memory and perceptual trace)	Two areas of stored information / memory trace and perceptual trace / memory trace initiates movement/ (then)perceptual trace is point of reference or record of past experience / memory trace might be incorrect / perceptual trace might be inaccurate		2.		There is a memory trace on own / There is a perceptual trace on own	
		3. (comparison)	(Feedback or perceptual trace allows) comparison between perceptual and memory trace / (feedback or perceptual trace) compares what is happening with what is stored		3.	Compares current action with one already learned (and stored in LTM)		
		4. (correction/ learning)	(if it doesn't match/if incorrect) movements adjusted or corrected (during performance) / improvement or progress or learning occurs (during performance)		4.	motor programmes are formed or updated		
		5. (reinforce-ment)	(if it matches) correct movements are reinforced		5.			
		6. (level 2)	Level 2 (motor control is FB) via muscles / L2 adjusts quickly or subconsciously/ L2 is internal / L2 has a shorter loop		6.		Level 2 on own	
		7. (level 3)	Level 3 (motor control is FB) via brain / L3 adjusts more slowly or consciously /L3 can be external / L3 results in jerky movements (as skill adjusted) / L3 has a longer loop		7.		Level 3 on own	
				1				

Q	uesti	on	Answer	Marks	Guidance
2	(b)	(ii)	Practical example: mark first attempt 1. Gymnast on beam or skier or trampolinist etc making adjustments or to keep balance / high diver making adjustments	1	Accept 1. Any description where the performer acts on feedback during performance Do not accept A practical example when there is little or no time for feedback eg a 'reflex' save in hockey

Q	uestion	Answer		Guidance		
2	(c)	Graph Optimum arousal A P extreme decline	6			
		6 marks from 6:		Accept Graph information without letters ABCD Arousal/anxiety as synonymous	Do not accept	
		If arousal increases so does performance up to a certain (optimal) level/ If graph: arousal and performance axes labelled correctly and curve drawn to A and optimum level identified		1.	'If arousal increases so does performance' on own	
		2 if arousal or (cognitive) anxiety or stress or worry or apprehension continues to increase or is (too) high		2.		
		3there is a sudden or extreme or acute decrease in performance or learning / If graph:line A-B drawn with arrow/s and labelled 'extreme decline' and explanation /annotation re decrease in performance		3.	Leads to disastrous performance Sudden drop on own = TV	
		4. Cognitive anxiety or stress or apprehension or worry interacts with somatic anxiety or stress on body systems / high cognitive arousal coincides with high somatic anxiety		4.		
		5and body control or coordination are lost 6. This has effect of: not being able to concentrate / losing cognitive control / getting distracted / losing perceptual awareness / difficulty making decisions		5. 6. All following = BOD: Start to miss cues / attentional field narrows / start making mistakes / a disastrous performance/ choke / panic	Forget what to do / a catastrophe happens = REP	
		7. If arousal or (cognitive) anxiety lowered or emotions controlled, performance can improve again or upward curve can be rejoined / If graph: line B-D drawn with arrow/s and explanation /annotation re control of anxiety		7.		

Question	Answer	Marks	Guidance
	If arousal or cognitive anxiety continues to increase then performance will continue to decrease / If graph: line B-C drawn with arrow/s and explanation /annotation re continued decrease if anxiety continues		8.

Question		Answer		Marks	Guidance		
Questi 2 (d)		(i)	Visual 1. 2. (eg)	guidance – sub max 2 Watching or giving a demonstration of a lay up shot Watching or showing a DVD about how to pass a rugby ball Using cones to show learners where to aim their tennis serve Showing a rugby player how to pass the ball Using guidance lines in football	4	Accept Any practical example that describes using demonstrations / pictures / charts / video / DVD / court or pitch markings / markers / cones / guidance lines / boxes to learn movement skills or improve a BAHL	Do not accept Sports (look for skills)
				using trampoline harness to help learn somersault		Accept Any practical example that describes using equipment or apparatus or aids or machines or technology to: learn movement skills or develop kinaesthetic awareness	Do not accept Use of cameras or videos / manual guidance / physical support / unless skill or practical sporting example included
			using equipment such as armbands to increase confidence in a beginner swimmer using armbands in swimming using tackle pads in rugby		or increase safety or increase confidence	Objects = TV	

Q	Question		Answer		Marks	Guidance	•
2	(d)	(ii)	Visual guidance 1. (picture) (understanding)	Giving a mental picture or building a mental image or giving a visual representation of a BAHL / a mental picture or mental image or visual representation of a skill makes learning skills or being active move likely (making a BAHL more likely)	2	Visual guidance Accept Any description linking visual guidance (eg demos/DVDs) to BAHL Any descriptions of how Visual guidance encourages or shows a BAHL or how physical skills or being more active makes a BAHL more likely	Do not accept
			(role model)	BAHL / by increasing understanding of skill makes learning skills or being active move likely (making a BAHL more likely) If you watch a role model you are more likely to learn skills or be active (which makes a BAHL more likely) / Guidance by role model or		Mechanical guidance Accept Description linking mechanical guidance(e.g. arm bands) to: • confidence • safety	Do not accept Mechanical objects unless they support the person e.g.
			(attractiveness) Mechanical guida	significant other makes behaviour more likely to be copied If guidance attractive, it encourages copying (making a BAHL more likely) ance (sub max 1)		 kinaesthetic awareness acquiring skills being active (which can lead to BAHL) or linking confidence safety 	DNA weighing scales to monitor your weight
			2. (confidence / safety/timing)	Increased confidence or safety or timing makes learning skills or being active more likely (and so makes BAHL more likely)		 salety kinaesthetic awareness to: acquiring skills being active (which can 	
			(kinaesthesis)	Correct proprioception or kinaesthesis or getting the right 'feel' of the skill makes learning skills or being active more likely (and so makes BAHL more likely)		lead to BAHL)	

Question	Answer	Guidance
2 (e)*	Levels Descriptors	Levels Discriminators
	Level 3 (8–10 marks) A comprehensive answer: detailed knowledge & understanding effective analysis/critical evaluation and/or discussion/explanation/development clear and consistent practical application of knowledge accurate use of technical and specialist vocabulary high standard of written communication.	 At Level 3 responses are likely to include: detailed understanding of at least two types of reinforcement discussion and reference to both movement skills and healthy lifestyle behaviour understanding of S-R bond; reference to learning or conditioning by linking or associating stimulus and response
	Level 2 (5–7 marks) A competent answer: satisfactory knowledge & understanding analysis/critical evaluation and/or discussion/explanation/development attempted with some success some success in practical application of knowledge technical and specialist vocabulary used with some accuracy written communication generally fluent with few errors.	 At Level 2 responses <u>are likely</u> to include: satisfactory understanding of at least one type of reinforcement discussion and reference to both movement skills and/or healthy lifestyle behaviour satisfactory knowledge of S-R bond
	Level 1 (0–4 marks) A limited answer: basic knowledge & understanding little or no attempt to analyse/critically evaluate and/or discuss/explain/develop little or no attempt at practical application of knowledge technical and specialist vocabulary used with limited success written communication lacks fluency and there will be errors, some of which may be intrusive.	At Level 1 responses are likely to include: basic understanding of at least one type of reinforcement reference to both movement skills and/or healthy lifestyle behaviour little if any reference to S-R bond
	[0 marks] No response or no response worthy of credit.	

Question	Answer	Marks	Guidance
2 (e)	Indicative content: Candidate responses are likely to include: (relevant responses not listed should be acknowledged) Numbered points = knowledge / understanding Bullet points = likely to be development of knowledge	10	
	 General 1. Reinforcement (is a process that) ensures that the correct or desired response is repeated / reinforcement increases the probability of (desired) response or behaviour occurring again it strengthens the S-R bond eg from coach or teacher or parent or teammate 		
	Positive 2. Positive reinforcement • Give a stimulus or satisfier eg praise or rewards or positive feedback or encouragement •after a successful or desired response • to strengthen the S-R bond /to ensure repetition of (desired) behaviour • it raises confidence or self esteem or makes you feel good about yourself • it motivates or encourages • good for cognitive learners or beginners or children / give soon after the desired response 3. Give rewards •that are tangible eg reaching target weight may attract money reward / badge / certificate other suitable example of a tangible reward		
	 or intangible eg applause or praise (credit when given as example of an intangible reward) 4. Show results or benefits of following a healthy lifestyle eg feel better / more energy / make more friends 5. Educate or persuade by showing benefits or positive outcomes eg feel better / more energy / make more friends using role models to train with set goals, and then give results of goals being reached eg in exercise adherence Links with or supports (Thorndike's) Law of Effect it strengthens the S-R bond between exercise and being healthy 		

Question	Answer	Marks	Guidance
	 associate good outcomes with desired behaviour eg if you serve correctly in tennis and it wins a point, you are more likely to serve in that way again 7. Enjoyment of the activity increases the chance that the person will do the activity again eg enjoyable activities or variety in diet 8. BUT – don't give too much praise/ or reward or it can lose its effect / care should be taken that the wrong behaviour isn't inadvertently encouraged 		
	Negative 9. Negative reinforcement • aims to weaken undesired S-R bond • (and) aims to strengthen the correct or desired S-R bond •(in order to) condition the (desired) behaviour or response • can be useful for autonomous learners or advanced performers • can motivate or encourage 10. Give disapproval or an annoyer or a negative or unpleasant or noxious stimulus or negative feedback • When skill or behaviour undesired or wrong eg criticism 11(then) remove or withdraw it when the correct or (desired) response occurs / stop negative feedback or punishment / withdrawal of punishment eg 'telling off' stopped if active or healthy behaviour or lifestyle shown / parent stops criticising child for not doing any physical activity 12. Take away praise or reward eg remove privileges if inactive or unhealthy behaviours are shown 13. BUT – not good for cognitive learners / can sap confidence or motivation / participants may not understand why stimulus or praise has been withdrawn (so they do not link it to following BAHL)		Look for key points of:
	 Punishment 14. Punishment used to eliminate undesired behaviour 15. give an unpleasant or noxious stimulus or negative feedback to (help to) break or weaken an (undesired) S-R bond or to stop an (undesired) behaviour or response. can stop us learning incorrect movements or unhealthy behaviour eg tell them off or embarrass them or make them feel uncomfortable if not active, or if healthy 		annoyerbeing withdrawn

Question	Answer	Marks	Guidance
	behaviour or lifestyle not shown		
	eg send them off / award penalty again them / fine or ban them		
	16. Breaks or helps to break or block an (undesired) S-R bond		
	17. Compare them with others who are unhealthy / dysfunctional		
	eg accept any suitable example of comparisons or 'showing them up'		
	18. BUT - can lead to frustration or anger or resentment		
	BUT - can stop someone starting or continuing a healthy lifestyle		
	Other types of reinforcement		
	19. Complete or continuous reinforcement		
	Rewards given after each successful response		
	20. Partial reinforcement		
	Reward given after a number of successful responses		
	Factors to consider		
	21. What type of reinforcement to use / when to use the different types / when/how soon after response to give / ratio of positive to negative / the phase of learning of the performer (cognitive, associative, autonomous)		

Section C Socio-Cultural Studies relating to participation in physical activity

Q	Question		Answer		Guidance		
3	(a)	(i)	(Relationship or link between) sport and sponsorship and media	1	Accept 1. Sporting events' for sport 'Sponsors' for sponsorship / triangle if labelled correctly	Do not accept 'performer' for sport	
		(ii)		3	Mark first three definite attemp Identification and example nee		
			Role and Example 1. Inform tell about fixtures / results /stats / league positions / news / fixtures / make people analysis / behaviour / role		Accept Same example for more than one role if accurate / Other relevant examples of each role	Do not accept Role without example	
			aware of / tell modelling / campaigns / skills / / report on tactics / rules / documentaries		1.	They inform viewers of what's going on /about sport	
			2. Educate/ Education / teach explain or teach about fixtures / results /stats / league positions / news / fixtures / analysis / behaviour / BAHLs / role modelling / campaigns / skills / tactics / rules / breaking down		2.	about sport	
			stereotypes / documentaries 3. Entertain/ programmes / documentaries / shows / matches / events / big games / Super Bowl / interviews		3. 4.	with sport	
			4. Advertise/ on perimeter fencing / sponsors / advertising/ promote/ promotion / publicity / publicise		7.	οροιτ 	

Question	Answer			Guidance		
3 (b)				Accept	Do not accept	
	1. (decisions)	angry or frustrated with decisions or match officials / bad officiating	5	Other suitable examples of cause of frustration	Anger or frustration on own	
	2. (result)	angry or frustrated with score or result or performance / not much time left		2.	Anger or frustration on own	
	3. (emotion / hype)	emotional intensity / cauldron effect/ tension in stadium / over arousal or pre-match hype or psyche-up		3. High expectations	Aggression / media hype	
	4. (rivalry/	rivalry / local derby / team loyalty/		4.		
	derby) 5. (importance/money/position/pressure)	importance of game or result or winning / money at stake / position in league or cup or competition / pressure to win		5.	pressure on own	
	6. (abuse / provocation/ retaliation)	provocation by or abuse or sledging or gamesmanship or deviance from opponents or team mates or (hostile) crowd / retaliation /violence among crowd		6. Bad tackle by opponent Crowd interaction = BOD	provocation etc on own	
	7. (punishment/ copying)	lack of punishment or deterrent/ think they can get away with it /copying a role model		7.		
	8. (religion / racism)	religious reasons (e.g. Celtic v Rangers) / racism		8.		
	9. (nature of game)	nature of game / body contact or checking / to prove masculinity		9.		
	10. (weapons / de- humanise)	(equipment such as) sticks or clubs that can be used as weapons / kit or equipment that 'de-humanises' or protects		10.	sticks or clubs or 'weapons' on own kit or equipment on own	
	11. (drugs)	increased aggression or arousal from drug or steroid use		11.	Aggression or arousal or drugs on own	

Question		Answer		Marks	Guidance		
3	(c)	(i)	1. (eg)	(Gloucestershire) cheese rolling or cheese chasing / Highland or Lakeland Games /	1	Accept 1.other suitable examples of a surviving ethnic sport in	Do not accept Hurling / Gaelic football /
			(eg)	mob football / Ashbourne or Shrovetide football / Hallaton bottle game / Lewes fire festival / Cornish Hurling / tar barrel rolling		UK	Morris or Irish or Maypole dancing

Question		Answer	Marks	Guidance		
3 (c) (ii)	D	Fundamentary		Reason and explanation need	ded for each	
	Reason 1. Tradition / traditional / (medieval) customs	and Explanation passed from generation to generation / celebration of past / people want them to continue / media interest / part of identity / shows or part of identity or heritage or culture or history	4	Accept other explanations / same explanation for different reason 1. 2.	Do not accept	
	2. Local / locally important	they increase local pride / because community want them to continue		3.		
	3. Annual / occasional/ on public or bank hols	.so 'special' occasions / effort made to watch or take part / people can go/ people aren't bored / media interest / people look forward to them				
	4. Isolation / in outlying areas	so not affected by 'main' sports / ethnic identity or uniqueness kept		5.		
	5. Rural	so not affected by 'main' sports / natural facility available				
	6. Tourism	so commercial opportunities / money to area / media interest / publicity / people know about them / want to watch or take part		6.		
	7. Social / festival/ community/ carnival	and so entertaining or enjoyable / chance to celebrate / 'an escape from reality' / bring people together / media interest / focus on pub		7.		
	8. Rowdy / violent	chance to show manliness / focus on 'pub' or links with drinking		8.		
	9. Religion / pagan / ritual	people want them to continue / people committed to them		9.		

Question		Answer	Marks	Guidance		
3 (d)			6	Accept	Do not accept	
	image / prestige promotion / publicity / country	Nation Building involves increasing prestige or status or image of a country/ NB promotes a country/ NB gives a country publicity or puts them 'on map' or world stage		Makes country look good or better	Gives country a better chance of hosting another Games	
	2. (hosting)	(NB for) host city or country		2.		
	3. (shop window)	Shop window effect/world sees (best of) a nation/showcasing of nation (by media / tourism)		3. examples when in context e.g. 'London 2012 will be televised around the globe'		
	4. (appease /pride /unity)	appeasement or morale or (national) pride or patriotism or medals for host nation or supporters/unites or brings country together		feel good factor / hope		
	5. (example of hosting benefits)	economic (e.g. due to tourism)/more jobs/legacy of facilities or housing or improved infrastructure or transport system		5. Other examples of benefits of hosting / redevelopment	Increase participation or BAHLs on own	
	6. (political tool – popularity / stability)	OGs can be used as a political tool/sport and politics linked/sporting success reflects political success or country's power/OGs or sport can increase popularity or stability of government		6.		
	7. ('new' China)	Beijing OGs a 'coming out party' for China/ chance to: show its economic status/show itself as a world power/show political reform or changing system/show that Communism works			7.	
	8. (cover up)	Beijing OGs an opportunity for China to cover up (Human Rights) problems			8.	

Question	Answer			Guidance		
	of attempted NB via OGs) Mo	168 or Mexico city-black power salute/ 172 or Munich-terrorism/1976 or contreal –African nations withdrew (due to Z rugby tour to SA)/1980 or Moscow-estern boycott (Soviet invaded ghanistan) /1984 or LA socialist boycott etaliation) v commercialism	6	Accept 9. 1936 or Berlin OGs used to 'show off' Nazi Germany / 1948 or London – Japan/Germany not invited due to war	Do not accept	

Question	Answer	Guidance		
3 (e)*	Levels Descriptors Level 3 (8–10 marks) A comprehensive answer: detailed knowledge & understanding effective analysis/critical evaluation and/or discussion/explanation/development clear and consistent practical application of knowledge accurate use of technical and specialist vocabulary high standard of written communication.	At Level 3 responses are likely to include: detailed understanding and coverage of why PA valuable and necessary explanations of types of activity to promote a BAHL / recommendations for BAHL / reasons for sedentary lifestyles detailed understanding of barriers to young people's participation likely structure to second part of question around opportunity, provision and esteem		
	Level 2 (5–7 marks) A competent answer: satisfactory knowledge & understanding analysis/critical evaluation and/or discussion/explanation/development attempted with some success some success in practical application of knowledge technical and specialist vocabulary used with some accuracy written communication generally fluent with few errors.	 satisfactory balance between both parts of question At Level 2 responses are likely to include: satisfactory understanding and coverage of why PA valuable and necessary reference to types of activity to promote a BAHL / recommendations for BAHL / sedentary lifestyles satisfactory understanding of barriers to young people's participation possibly structure to second part of question around opportunity, provision and esteem attempt at balance between both parts of question if only one part of question addressed L2 6 marks max 		
	Level 1 (0–4 marks) A limited answer: basic knowledge & understanding little or no attempt to analyse/critically evaluate and/or discuss/explain/develop little or no attempt at practical application of knowledge technical and specialist vocabulary used with limited success written communication lacks fluency and there will be errors, some of which may be intrusive. [0 marks] No response or no response worthy of credit.	At Level 1 responses are likely to include: basic understanding of why PA valuable and necessary basic understanding of barriers to young people's participation description rather than explanation limited or no success at addressing/balancing both parts of the question lack of structure		

Question	Answer	Marks	Guidance
3	Indicative content: Candidate responses likely to include: (other relevant responses must be acknowledged)	10	
	Numbered points = knowledge / understanding Bullet points = likely to be development of knowledge		
	Physical Activity valuable/necessary because it promotes: 1. Physical benefits		
	 fitness / health / healthy body weight / greater life expectancy or other suitable physical factors inactivity dangerous (to health) eg PA protects against CHD or osteoporosis or other conditions 		
	2. Personal benefits or development		
	 enjoyment / self awareness / esteem / confidence / / 'feel good' factor / leadership or other suitable personal benefits 		
	3. Social benefits		
	friendships / teamwork / communication / meeting people or other suitable social factors set by initial and the second		
	eg by joining clubs		
	 Less anti-social behaviour in society 4. Emotional benefits / mental wellbeing 		
	stress relief or other suitable emotional factors		
	Stress relief of other suitable emotional factors		
	And because of:		
	5. Increased or widespread obesity or CHD		
	 due to widespread junk or fast food consumption / increasingly unhealthy diets 		
	eg McDonald's or other suitable example of junk or fast food		
	6. Stressful lives		
	 eg due to recession or long working hours or unemployment or other suitable example 7. The desire for or need for Balanced Active Healthy Lifestyles – (BAHLs) Quality of life / wellness 		
	 components of a BAHL: physical well-being, physical exercise, being (physically) fit / injury or illness prevention / sufficient rest or sleep / a nutritious or balanced diet / not smoking / not taking drugs / moderate alcohol / personal hygiene / mental well-being / control of stress / stress relief / mental well-being / 'free' time 		
	8. More sedentary or inactive lifestyles / low or decreasing levels of physical activity		
	• 7/10 people have sedentary lifestyle (according to some data)		
	(many people do) less than 1x30 mins physical activity per week		

Question	Answer	Marks	Guidance
	More sedentary lifestyles because:		
	9. Desk job / less manual labour		
	exercise a choice not necessity		
	10. Longer working hours / concentration on careers		
	impact of credit crunch/economic situation		
	scared of losing jobs		
	11. Gadgets		
	eg sit on mowers or other suitable example		
	12. Widespread car use		
	eg children don't walk to school		
	13. Technology		
	computer use / computer games		
	eg shopping on line		
	14. More TV / people watch sport rather than participate		
	Types of physical activity to promote a BAHL		
	15. Physical or outdoor recreation		
	16. Physical or outdoor education		
	17. Sport / life time sport / life-long physical activity		
	 activities that can be pursued into middle and older age 		
	eg table tennis, badminton		
	Recommendations for a BAHL		
	18. (adults) 30 mins 5 times a week		
	19. Moderate or sub max or aerobic level		
	eg jogging / cycling		
	20. Children/young people 60 mins a day / 5 or 6 or 7 x 60 mins per week		
	eg 5 x 60 / Welsh initiative		
	21. Children – (at least) twice a week higher impact activities should be done		
	eg skipping /jumping etc		
	Explanation of possible barriers to participation by young people		
	22. Being in a minority group		
	discrimination or unfair treatment or stereotyping or myths		
	eg women / disabled /ethnic minority /Rerigious		

Question	Answer	Marks	Guidance
	Asian women and swimming restrictions		
	eg appropriate clothing		
	23. Opportunity – (limited or no)		
	24. Don't like exercise / choose not to / negative attitude to PA or to exercise / don't enjoy it		
	don't like getting hot and sweaty		
	do other things		
	eg socialise / play computer games or other suitable example		
	25. No time / other commitments		
	eg studying or part time job or other suitable example		
	26. Lack of role models		
	 friends or family don't participate or encourage or support 		
	peer pressure (not to participate)		
	27. Bad (school) experience/ limited range of activities offered at school		
	28. No or not enough money / too expensive / socio-economic status		
	limited or withdrawal of Government funding		
	eg withdrawal of free swimming for young people		
	eg for memberships or kit or other suitable example of expense		
	29. Poor health / injury		
	eg asthma or other health related limitation		
	30. Tired / lethargic / can't be bothered		
	31. Risk of being out at night / parents stop you going out at night / danger / risk of injury		
	32. Provision – (limited or no)		
	33. Lack of equipment or (suitable) facilities / live in a rural or disadvantaged area		
	eg no (suitable/local) clubs / no swimming pool nearby or other suitable example		
	34. No transport / no buses or trains etc		
	 can't get there / distance from facilities / parents won't or can't take you 35. Unfavourable weather or climate 		
	too cold or wet ag for activities systems.		
	eg for activities outside 36. Withdrawal or lack of Government support or funding		
	37. Esteem – (limited or no)		
	38. Lack of confidence		
	 self-conscious / 'no good at it' / 'everyone else better than me' /poor body image 		
	• Self-conscious / no good at it / everyone else better than the /poor body image		

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