

Mark Scheme (Standardisation)

Summer 2014

Pearson Edexcel GCE General Studies
(6GS01 01)

Unit 1: Challenges for Society

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General Marking Guidance

- All candidates must receive the same treatment. Examiners must mark the first candidate in exactly the same way as they mark the last.
- Mark schemes should be applied positively. Candidates must be rewarded for what they have shown they can do rather than penalised for omissions.
- Examiners should mark according to the mark scheme not according to their perception of where the grade boundaries may lie.
- There is no ceiling on achievement. All marks on the mark scheme should be used appropriately.
- All the marks on the mark scheme are designed to be awarded. Examiners should always award full marks if deserved, i.e. if the answer matches the mark scheme. Examiners should also be prepared to award zero marks if the candidate's response is not worthy of credit according to the mark scheme.
- Where some judgement is required, mark schemes will provide the principles by which marks will be awarded and exemplification may be limited.
- When examiners are in doubt regarding the application of the mark scheme to a candidate's response, the team leader must be consulted.
- Crossed out work should be marked UNLESS the candidate has replaced it with an alternative response.

Section A

Question Number	Answer	Mark
Q1	D	1

Question Number	Answer	Mark
Q2	B	1

Question Number	Answer	Mark
Q3	B	1

Question Number	Answer	Mark
Q4	C	1

Question Number	Answer	Mark
Q5	C	1

Question Number	Correct Answer	Mark
Q6	C	1

Question Number	Answer	Mark
Q7	D	1

Question Number	Answer	Mark
Q8	D	1

Question Number	Answer	Mark
Q9	D	1

Question Number	Answer	Mark
Q10	A	1

Question Number	Answer	Mark
Q11	D	1

Question Number	Answer	Mark
Q12	C	1

Question Number	Answer	Mark
Q13	A	1

Question Number	Answer	Mark
Q14	B	1

Question Number	Answer	Mark
Q15	C	1

Question Number	Answer	Mark
Q16	B	1

Question Number	Answer	Mark
Q17	A	1

Question Number	Answer	Mark
Q18	D	1

Question Number	Answer	Mark
Q19	B	1

Question Number	Answer	Mark
Q20	C	1

Section B

Question Number	Acceptable Answers	Reject	Mark
21	Up to 3 marks from A Lung B Liver C Heart D Pancreas E Intestine OR bowel F Thymus G Skin	Arm Hand Leg Face Eye Brain Bone marrow Bladder Hair Stomach Blood	3

Question Number	Acceptable Answers	Reject	Mark
22	Up to 3 marks from A increasing/more hepatitis AND/OR diabetes B fewer fatal accidents on roads/ killed on roads C increased survival rates (in intensive care)	Increases in diseases	3

Question Number	Acceptable Answers	Reject	Mark
23	Award only 1 mark for each answer (1, 2 and 3) Up to 3 marks from A increasing population B more transplants for older people/organs fail more with age (not just increased life expectancy) C increased transplant survival rates/transplants are (more) successful or possible/those waiting for transplant are living longer/increased awareness of success of transplants. D Increased heart disease/obesity levels/(poor lifestyle linked to) less exercise or increased salt or sugar intake (do not credit any references just to smoking or drinking)		3

Question Number	Acceptable Answers	Reject	Mark
24	<p>A Award 1 mark for selecting 1838 and 6592 OR if 0.28 is seen anywhere</p> <p>B Award 2 marks for 0.72 OR 4754/6592 OR 28 if seen anywhere</p> <p>C Award 3 marks for correct answer 72/72.1/72.12 (percentage sign not needed and no calculation needed)</p>		3

Question Number	Acceptable Answers	Reject	Mark
25	<p>1 mark for each answer</p> <p>A presumed consent identified with opt-out OR have to register your desire for organs not to be used</p> <p>B informed consent identified with opt-in OR have to carry card/register/fill in form/written permission for organs to be used</p>		2

Question Number			
26			
Marking Guidance			
After marking the answer for AO2, assess it for communication, AO4.			
	A02: <i>Marshall evidence and draw conclusions: select, interpret, evaluate and integrate information, data, concepts and opinions.</i>		Mark
	Practice identified (1 mark)	Explanation (up to 2 marks)	5
	Use of organs from animals/genetic modification	Refers to animal rights ; explanation of animal rights eg consciousness, feeling pain ; refers to animal cruelty/harm (not just animals are killed); justification in terms of benefit to humans; religious objections; specific religious objections eg Muslim/Jewish/Jehovah's Witnesses;	
	(High/disproportionate) cost	Utilitarian argument or reference to cost/benefit analysis; More people could be treated for the same money;	
	Presumed/informed consent or opt out/opt in	Requires active opt out which may be difficult or undue pressure on people ; Refers to human rights; Religious objections; Religious objections based on eg sanctity of body, resurrection etc;	
	Stem cell therapy/human organs grown in laboratory	Use of embryo or foetus; Religious objections; Religious objections based on views on abortion, sanctity of life;	

Award marks for 2 practices only. If more than 2 are identified then select best combination of 2 for maximum mark.

Do not credit "religious objections" more than once although different specific objections can gain marks.

Do not credit "Playing God" or vague phrases such as "it is unnatural".

	Mark	Descriptor
		<p>AO4: <i>Communicate clearly and accurately in a concise, logical and relevant way.</i></p> <p><i>The AO4 marks are NOT dependent upon the AO2 marks.</i></p>
	0	The answer is badly expressed, not relevant or fails to treat the question seriously, there are many serious lapses in grammar and spelling or there is too little of the candidate's own writing to assess reliably.
	1	The answer is only understandable in parts, writing may be in an inappropriate form, arguments are not clearly expressed, rarely relevant and in places grammar and spelling inhibit communication.
	2	The answer is broadly understandable, writing is in the correct form. Arguments are on the whole coherent, mainly relevant and grammar and spelling do not inhibit communication.
	3	The answer is clear and lucid, (writing in correct form is taken as a matter of course) arguments are coherent and well laid out, and relevant, there are very few grammatical or spelling errors.

Question Number		
27		
Marking Guidance:		
After marking the answer for AO3, assess it for communication, AO4.		
	AO3: Demonstrate understanding of different types of knowledge, appreciating their strengths and limitations.	Mark
	<p>Award up to 5marks for AO3. The following marking points are awarded independently. Only 1 mark can be awarded under each letter. Accept objective/statistic (but not just number or figure) as a synonym for fact. Accept subjective (but not belief) as a synonym for opinion.</p> <p>A Award 1 mark for referring to/quoting at least 2 relevant pieces of evidence from passage.</p> <p>B Award 1 mark for making a general comment about the strength or weakness of evidence in the passage; (eg evidence is strong/weak/unreliable or includes fact/opinion) OR for discussing lack of balance/possible bias, validity of source of evidence, validity of estimates/status of the author .</p> <p>C Award 1 mark for correctly identifying a relevant statement as a fact, eg “60% of patients die” “Spain has such a system”</p> <p>D Award 1 mark for correctly identifying a relevant statement as an opinion, eg “gap between supply and demands is clear”; “there is a simpler solution to this problem”;</p> <p>E Award 1 mark for any of the following statements or WTTE Factual evidence is stronger than opinion; Factual evidence can be checked/confirmed/manipulated; Opinion cannot be confirmed;</p> <p>F Reference to argument by analogy OR reference to comparison between Spain and UK OR specific points about comparison, eg what is relative population (do not credit argument by induction)</p>	5

	Mark	Descriptor <i>AO4: Communicate clearly and accurately in a concise, logical and relevant way. The AO4 marks are NOT dependent upon the AO3 marks.</i>
	0	The answer is badly expressed, not relevant or fails to treat the question seriously, there are many serious lapses in grammar and spelling or there is too little of the candidate's own writing to assess reliably.
	1	The answer is only understandable in parts, writing may be in an inappropriate form, arguments are not clearly expressed, rarely relevant and in places grammar and spelling inhibit communication.
	2	The answer is broadly understandable, writing is in the correct form. Arguments are on the whole coherent, mainly relevant and grammar and spelling do not inhibit communication.
	3	The answer is clear and lucid, (writing in correct form is taken as a matter of course) arguments are coherent and well laid out, and relevant, there are very few grammatical or spelling errors.

Section C

Marking Guidance		
<p>Q28 After marking the answer for AO1 and AO2, assess it for communication, AO4.</p>		
	Mark	Descriptor
		<p>AO1: <i>Demonstrate relevant knowledge and understanding applied to a range of issues, using skills from different disciplines.</i></p>
	0-8	<p>Award 1 mark for each valid point, up to a maximum of 8 marks, such as:</p> <p>THEORIES WHICH HAVE BEEN FALSIFIED/MODIFIED A10 (Up to 3 marks) eg Phlogiston, Flat Earth, plum pudding atomic model , island universe, static/steady state universe , Newtonian mechanics, Big Bang A11 Some theories are fundamental/other theories depend on them</p> <p>THEORIES WHICH HAVE NOT BEEN FALSIFIED A20 (Up to 3 marks) eg kinetic theory, plate tectonics, relativity, expanding universe, evolution, kinetic theory</p> <p>FURTHER POINTS ABOUT SOLAR SYSTEM OR ATOMIC THEORY A30 Bohr model A31 Mention of sub-atomic particles eg electron, proton, neutron, quark etc A32 Copernicus had circular orbits A34 Now shown to be ellipses</p> <p>POINTS RELATING TO SCIENTIFIC DEVELOPMENT - 1 MARK FOR EACH POINT A40 How can things progress without change/we learn from our mistakes A41 Science changes/develops A42 As new evidence becomes apparent A43 Older theories provide basis for newer theories/developments A44 Which are better theories/explain more A45 So scepticism/doubt/disproving/falsifying is a strength</p> <p>The above points are illustrative only and not exhaustive. Any other valid points must be credited, even if they don't appear in the list above.</p>

Level	Mark	Descriptor
	0-8	<p>A02: <i>Marshall evidence and draw conclusions: select, interpret, evaluate and integrate information, data, concepts and opinions.</i></p> <p>Award 1 mark for each valid point, up to a maximum of 8 marks.</p> <p>The question requires candidates to critically examine conflicting views/alternative viewpoints. Candidates who give consideration solely to one side of the question are limited to a maximum of 6 marks.</p> <p>Points should be used to demonstrate how evidence is marshalled by:</p> <ul style="list-style-type: none"> • Selecting: identifying and applying relevant evidence • Interpreting: showing how evidence helps to answer the question • Evaluating: assessing the strength of the evidence in support of the question • Integrating: using evidence to develop a coherent argument/conclusion <p>Note – evidence can be information, data, concepts or opinions</p> <p>The following areas are likely to be addressed by a majority of candidates, but candidate responses are not restricted to these areas. Other valid points must be credited, even if they don't appear in the list below.</p> <p>POINTS RELATING TO NATURE OF SCIENCE (up to 2 marks for each point but second mark depends on first mark being awarded)</p> <p>B10 Induction - repeated observation becomes generalization B11 Inference to best explanation B12 Occam's Razor - reduces variables or used to select theory B13 Empirical - based on observation B14 Falsifiable - can be falsified by testing or cannot be proved correct B15 Hypothesis - tentative theory to be tested</p> <p>TECHNOLOGICAL DEVELOPMENTS PROGRESS SCIENCE B20 Improving technology has enabled science to develop B21 eg microscope, telescope (up to 2 marks)</p> <p>SCIENCE AND TECHNOLOGY B30 Technology is based on science B31 So if science did not work neither would technology B32 Technology does work B33 Examples of successful/unsuccessful technology/medicine (allow 3 examples) eg vaccination, X-ray, MRI, computers, electricity</p>

		<p>CONCLUSIONS</p> <p>B41 Simple conclusion (1 mark)</p> <p>B42 Conclusion linked to evidence, arguments (2 marks)</p> <p>B43 Conclusion linked and balanced (3 marks)</p> <p>Any other valid points must be credited.</p>
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	Mark	Descriptor
		<p>AO4:</p> <p><i>Communicate clearly and accurately in a concise, logical and relevant way.</i></p> <p>The AO4 marks are not dependent upon the AO1 and AO2 marks.</p>
	0	The answer is badly expressed or fails to treat the question seriously, there are many serious lapses in grammar and spelling or there is too little of the candidate's own writing to assess reliably.
	1	The answer is only understandable in parts and maybe irrelevant, writing may be in an inappropriate form, arguments are not clearly expressed, and in places grammar and spelling inhibit communication.
	2	The answer is generally understandable, writing is often in the correct form. Arguments are sometimes coherent and relevant, and grammar and spelling do not seriously inhibit communication.
	3	The answer is broadly understandable, writing is in the correct form. Arguments are on the whole coherent and relevant, and grammar and spelling do not inhibit communication.
	4	The answer is clear and lucid, (writing in correct form is taken as a matter of course) arguments are coherent, well laid out and relevant, there are very few grammatical or spelling errors.

Marking Guidance		
Q29 After marking the answer for AO1 and AO2, assess it for communication, AO4.		
	Mark	Descriptor
		<p>AO1: <i>Demonstrate relevant knowledge and understanding applied to a range of issues, using skills from different disciplines.</i></p>
	0-8	<p>Award 1 mark for each valid point, up to a maximum of 8 marks, such as:</p> <p>POINTS RELATING TO CRIME A10 statistics are uncertain/recorded crime not same as actual crime A11 figures on crime are misrepresented (for a purpose eg by police, government, etc) A12 unreported crime/mention of British Crime Survey (BCS) A13 most crimes are minor A14 most crimes are against property not people</p> <p>POINTS RELATING TO CRIMINAL SYSTEM A20 describes or refers to deterrence, rehabilitation, re-education, incapacitation, retribution (up to 4 marks) A21 mentions reoffending A22 reoffending rates are high A23 crime has always been/will always be with us</p> <p>The above points are illustrative only and not exhaustive. Any other valid points must be credited, even if they don't appear in the list above.</p>

Level	Mark	Descriptor A02: <i>Marshall evidence and draw conclusions: select, interpret, evaluate and integrate information, data, concepts and opinions.</i>
	0-8	<p>Award 1 mark for each valid point, up to a maximum of 8 marks.</p> <p>The question requires candidates to critically examine conflicting views/alternative viewpoints. Candidates who give consideration solely to one side of the question are limited to a maximum of 6 marks.</p> <p>Points should be used to demonstrate how evidence is marshalled by:</p> <ul style="list-style-type: none"> • Selecting: identifying and applying relevant evidence • Interpreting: showing how evidence helps to answer the question • Evaluating: assessing the strength of the evidence in support of the question • Integrating: using evidence to develop a coherent argument/conclusion <p>Note – evidence can be information, data, concepts or opinions</p> <p>The following areas are likely to be addressed by a majority of candidates, but candidate responses are not restricted to these areas. Other valid points must be credited, even if they don't appear in the list below.</p> <p>POINTS RELATING TO FEAR OF CRIME</p> <p>B10 media sensationalize/reporting disproportionate/misrepresents (1 mark for general comment and up to 2 additional marks for specific examples)</p> <p>B11 particularly violent crimes</p> <p>B12 many crimes are restricted to particular groups eg drugs wars, gangs etc (up to 2 examples)</p> <p>B13 some sections of community have always been vulnerable</p> <p>B14 many violent crime are committed by people known to victim/not by strangers</p> <p>B15 portrayal of easy prison life is incorrect</p> <p>B16 fear of crime is not necessarily a bad thing</p> <p>B17 comments about adverse effects of fear of crime (1 mark for general comment and up to 2 additional marks for specific examples)</p>

		<p>CONCLUSION</p> <p>B21 simple conclusion (1 mark)</p> <p>B22 conclusion linked to evidence, arguments (2 marks)</p> <p>B23 conclusion linked and balanced (3 marks)</p> <p>Any other valid points must be credited.</p>
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	Mark	Descriptor
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	1	The answer is only understandable in parts and maybe irrelevant, writing may be in an inappropriate form, arguments are not clearly expressed, and in places grammar and spelling inhibit communication.
	2	The answer is generally understandable, writing is often in the correct form. Arguments are sometimes coherent and relevant, and grammar and spelling do not seriously inhibit communication.
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