



GCSE MARKING SCHEME

PSYCHOLOGY

SUMMER 2012

INTRODUCTION

The marking schemes which follow were those used by WJEC for the Summer 2012 examination in GCSE PSYCHOLOGY. They were finalised after detailed discussion at examiners' conferences by all the examiners involved in the assessment. The conferences were held shortly after the papers were taken so that reference could be made to the full range of candidates' responses, with photocopied scripts forming the basis of discussion. The aim of the conferences was to ensure that the marking schemes were interpreted and applied in the same way by all examiners.

It is hoped that this information will be of assistance to centres but it is recognised at the same time that, without the benefit of participation in the examiners' conferences, teachers may have different views on certain matters of detail or interpretation.

WJEC regrets that it cannot enter into any discussion or correspondence about these marking schemes.

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UNIT 1

Question	AO1	AO2	AO3	TOTAL
1	9	4	0	13
2	4	3	0	7
3	-	4	9	13
4	2	9	6	17
5	3	4	3	10
6	2	-	8	10
7	4	-	6	10
TOTAL	24	24	32	80

Question	AO1	AO2	AO3	TOTAL
1	9	4	0	13

Question	Answer	Marks
1 (a) (i)	<p>Possible answer:</p> <ul style="list-style-type: none"> • When people take on the behaviours, values and attitudes of a group. • Change in belief or behaviour due to real or imagined pressure. • Any other relevant definition. <p>2 marks – full detailed definition. 1 mark – basic definition. 0 marks – inappropriate or no answer.</p>	2
(ii)	<p>Possible answer:</p> <ul style="list-style-type: none"> • Behaviour influenced by situation. • Change in attitude as a result of the position you are playing. • Any other relevant definition. <p>2 marks – full detailed definition. 1 mark – basic definition. 0 marks – inappropriate or no answer.</p>	2
(b)	<p>One mark for each of the following (max 5 marks)</p> <ul style="list-style-type: none"> • Participants were respondents to a newspaper advertisement (self-selecting). • Payment of \$15 per day. • Prisoners were unexpectedly 'arrested' at their homes. • Randomly assigned to the role of 'prisoner' or 'guard'. • Uniforms of both prisoners and guards. • Zimbardo was the prison warden. • Experiment stopped after just six days instead of the planned fourteen days. • Some prisoners had to be released even earlier because of extreme emotional distress. • Any other relevant material. 	5

Question	Answer	Marks
1 (c) (i)	<p>Possible answer:</p> <ul style="list-style-type: none"> • Ground-breaking study. • Influenced training of prison guards. • Participants believed their setting to be a real prison. • Very realistic simulation. • Any other relevant material. <p>2 marks – one detailed strength described. 1 mark – one basic strength described. 0 marks – inappropriate strength or no answer.</p>	2
(ii)	<p>Possible answer:</p> <ul style="list-style-type: none"> • Ethical issues, e.g. failure to protect the participants from harm. • Lack of validity as participants were aware of study and instructed to act in a certain way. • Any other relevant material. <p>2 marks – one detailed weakness described. 1 mark – one basic weakness described. 0 marks – inappropriate weakness or no answer.</p>	2
		Total 13

Question	AO1	AO2	AO3	TOTAL
2	4	3	-	7

Question	Answer	Marks
2 (a) (i)	Axon.	1
(ii)	Cell body.	1
(iii)	Dendrite.	1
(b)	Synapse.	1
(c)	Positron Emission Tomography (PET) = Using a radioactive marker to build up an image of the active brain.	1
	Magnetic Resonance Imaging (MRI) = Using a strong magnetic field to build up an image of the active brain.	1
	Event Related Potentials (ERP) = Picking up the patterns of brain activity using electrodes on the head.	1
		Total 7

Question	AO1	AO2	AO3	TOTAL
3	-	4	9	13

Question	Answer	Marks
3 (a) (i)	1 mark – 0 0 marks – inappropriate or no answer.	8
(ii)	1 mark – 11 0 marks – inappropriate or no answer.	
(iii)	2 marks – 2 facts about results. 1 mark – 1 basic fact. 0 marks – Inappropriate or no answer.	
(iv)	Possible answers: <ul style="list-style-type: none"> As workload increased over the term, stress also increased and led to higher illness levels. Positive correlation (relationship) between stress (work overload) and absenteeism. When near a holiday (when there is less work-based stress) there is less absenteeism. 4 marks – detailed and thorough discussion using all the information from the source to make conclusion. 3 marks – detailed discussion using most of the information from the source to make conclusion. 2 marks – basic discussion with some use of the source. 1 mark – general conclusion with little use of the source. 0 marks – inappropriate or no answer.	
(b)	One mark for each of the following (max 3 marks) <ul style="list-style-type: none"> Increase in blood pressure. Increase in heart rate. Increase in sympathetic activity. Sweating. Increase adrenaline/noradrenaline release. Suppressed immune system. Any change mentioned in any stages of GAS. Any other relevant symptom. 	3
(c)	One mark for each of the following (max 2 marks) <ul style="list-style-type: none"> Heart disease OR heart attack (cannot credit both). High blood pressure. Stomach ulcers. Cancer (specific type credited). Mental disorders such as depression or schizophrenia (cannot credit both). NB 0 marks given for stating stress.	2
		Total 13

Question	AO1	AO2	AO3	TOTAL
4	2	9	6	17

Question	Answer	Marks
4 (a) (i)	1 mark – Eye colour or blue eyes and brown eyes. 0 marks – inappropriate or no answer.	1
(ii)	1 mark – Field experiment / classroom study. 0 marks – inappropriate or no answer.	1
(iii)	1 mark – They were more intelligent/would be given extra privileges. 0 marks – inappropriate or no answer.	1
(iv)	1 mark – Angry and upset. 0 marks – inappropriate or no answer.	1
(v)	1 mark – She told them she had made a mistake. 0 marks – inappropriate or no answer.	1
(b) (i)	Possible answer: <ul style="list-style-type: none"> • High ecological validity/very true to real life / natural setting <u>with link</u>. • There was an educational benefit for the children by learning about discrimination. • Any other relevant strength. 2 marks – one strength clearly described. 1 mark – one strength stated only. 0 marks – inappropriate or no answer.	4
(ii)	Possible answer: <ul style="list-style-type: none"> • Ethical issues, (e.g. <i>not protecting participants from harm as some of the children were unhappy and there were fights</i>). • Any other relevant weakness. 2 marks – one weakness clearly described. 1 mark – one weakness stated only. 0 marks – inappropriate or no answer.	
(c)	Possible answer: <ul style="list-style-type: none"> • A positive or negative attitude for, or against (a group, or member of a group based on stereotypes). • An opinion about others that is based on preconceived ideas. • Any other relevant definition. 2 marks – detailed definition. 1 mark – basic definition. 0 marks – inappropriate or no answer.	2

Question	Answer	Marks
<p>4 (d)</p>	<p>Credit can be given for:</p> <ul style="list-style-type: none"> • Education, e.g. finding out about stereotypes and challenging them by using questionnaires on stereotypes, e.g. young people, old people, students. • Leaflet could be created to help reduce prejudice within schools. • Geographic mobility. • Reduction in environmental factors. • Effective communication. • Robber's Cave study: procedures and / or findings. • Students get questionnaire filled in and then analyse findings. • Existing legislation/recent court cases. • All relevant points credited if discussed in sufficient detail. <p>NB – care should be taken that discussion is not focused on discrimination.</p> <p>One mark for each.</p> <p>Candidates can list many or discuss two in depth.</p> <p>Max 3 marks for one issue.</p>	<p>6</p>
		<p>Total 17</p>

Question	AO1	AO2	AO3	TOTAL
5	3	4	3	10

Question	Answer	Marks
5 (a) (i)	Physiological arousal. Appropriate love object. Cultural exposure / label.	1 1 1
(b) (i)	Possible answer: <ul style="list-style-type: none"> Supported by the love on the suspension bridge study. Anecdotal evidence, such as many relationships are formed when people fall in love with fire-fighter/nurse when saved. Any other relevant strength. <p>2 marks – one strength explained in detail. 1 mark – one strength basically explained. 0 marks – inappropriate or no answer.</p>	2
(ii)	Possible answer: <ul style="list-style-type: none"> Anecdotal evidence, such as many relationships are formed without initial physiological arousal. The concept of cultural exposure is vague and open to interpretation. It does not take other factors into consideration. Any other relevant weakness. <p>2 marks – one strength explained in detail. 1 mark – one strength basically explained. 0 marks – inappropriate or no answer.</p>	2
(c)	One mark for each of the following (max 3 marks): <ul style="list-style-type: none"> Relationship costs (e.g. <i>loss of self-identity</i>). Relationship benefits (e.g. <i>company</i>). Comparison levels with other relationships. Weighing up the pros and cons of forming a relationship. Any other relevant material. 	3
		Total 10

Question	AO1	AO2	AO3	TOTAL
6	2	-	8	10

Question	Answer	Total
6 (a) (i)	<p>Possible answers:</p> <ul style="list-style-type: none"> The group who believed they had the ability to predict the future had higher accuracy than the control group. There was no great difference between the ability of both groups to correctly predict the events of the following week. One member of the pre-cognition group had a high accuracy rate. Any other relevant conclusion. <p>2 marks – 2 clear conclusions drawn from the table. 1 mark – 1 clear conclusion drawn from the table OR two vague conclusions drawn from the table. 0 marks – inappropriate or no answer.</p>	2
(b)	<p>1 mark – extra sensory perception. 0 marks – inappropriate or no answer.</p>	1
(c)	<p>1 mark – telepathy OR clairvoyance OR psychokinesis. 0 marks – inappropriate or no answer.</p>	1
(d)	<p>Credit can be given for:</p> <ul style="list-style-type: none"> The lack of reliable scientific support. The statistical argument that states people will be correct in predicting future by chance. Weaknesses of the evidence that supports ESP (e.g. methodological). Any other relevant material. <p>5-6 marks Information is selected illustrating range and depth, though not necessarily in equal measure. Information is very well organised and the form and style of communication is highly appropriate. There is very good use of specialist terms with few, if any, errors, in spelling, punctuation and grammar.</p> <p>3-4 marks Relevant information is selected, illustrating either range or depth. Material is well organised and ideas are expressed in a logical manner. There is good use of specialist terms with some errors in spelling, punctuation and grammar, but these are not intrusive.</p> <p>1-2 marks Basic information is selected and poorly organised OR response is muddled. There is limited use of specialist terms and frequent errors in spelling, punctuation and grammar.</p> <p>0 marks – inappropriate or no answer.</p>	6
		Total 10

Question	AO1	AO2	AO3	TOTAL
7	4	-	6	10

Question	Answer	Marks
7 (a)	<p>Possible answer:</p> <ul style="list-style-type: none"> • The biology of a person. • The genitals or sex chromosomes of a person. <p>2 marks – detailed explanation. 1 mark – basic explanation. 0 marks – inappropriate or no answer.</p>	2
(b)	<p>Possible answer:</p> <ul style="list-style-type: none"> • Maleness and / or femaleness. • Self-identity based on cultural or social aspects. <p>2 marks – detailed explanation. 1 mark – basic explanation. 0 marks – inappropriate or no answer.</p>	2
(c)	<p>Credit can be given for:</p> <ul style="list-style-type: none"> • Nurture: <ul style="list-style-type: none"> - Operant conditioning of male/female behaviours (i.e. rewards for stereotype behaviour and punishment for behaviour related to opposite gender). - Social learning theory. • Nature: <ul style="list-style-type: none"> - Chromosomes and hormones - Diamond and Sigmundson's (1997) study <p>5-6 marks Information is selected illustrating range and depth, though not necessarily in equal measure. Information is very well organised and the form and style of communication is highly appropriate. There is good use of specialist terms with few errors, in spelling, punctuation and grammar.</p> <p>3-4 marks Relevant information is selected, illustrating either range or depth. Information is well organised and ideas were expressed in a logical manner. There is good use of specialist terms with some errors in spelling, punctuation and grammar, but these are not intrusive.</p> <p>1-2 marks Basic information is selected and is poorly organised OR response is muddled. There is limited use of specialist terms and frequent errors in spelling, punctuation and grammar.</p> <p>0 marks – inappropriate or no answer.</p>	6
		Total 10

UNIT 2

Q	AO1	AO2	AO3	Total
1	-	-	6	6
2	3	-	3	6
3	4	-	7	11
4	4	4	-	8
5	4	6	5	15
6	4	8	6	18
7	4	6	6	16
	23	24	33	80

Question	AO1	AO2	AO3	TOTAL
1	-	-	6	6

Question	Answer	Marks
1 (a)	100	1
(b)	<ul style="list-style-type: none"> • Suggestibility of child witnesses. • Honesty of child witnesses. • Whether the children have difficulty in distinguishing reality from fantasy. 	1 1 1
(c)	<ul style="list-style-type: none"> • Younger children were more suggestible. • Children gave answer they believed questioner wanted. 	1 1
		Total 6

Question	AO1	AO2	AO3	TOTAL
2	3	-	3	6

Question	Answer	Marks
2 (a) (i)	(1) Iris.	1
(ii)	(2) Pupil.	1
(b)	<p>Optic nerve.</p> <p>Possible answers:</p> <ul style="list-style-type: none"> • Shows how we perceive the whole rather than parts of picture • Shows how the brain processes specific • Shows consistency of size/depth perception • How beliefs can lead to perception faults <p>3 marks – detailed answer. 2 marks – limited answer. 1 mark – basic/muddled answer. 0 marks – inappropriate or no answer.</p>	<p>1</p> <p>3</p>
		Total 6

Question	AO1	AO2	AO3	TOTAL
3	4	-	7	11

Question	Answer	Marks
3 (a)	Confidentiality = Participants cannot be identified.	1
	Deception = Participants are not told the true aim of the research.	1
	Protection from harm = Ensuring that participants are not put under stress.	1
	Informed consent = Participants are told about the research before starting to see if they are willing to participate.	1
(b) (i)	4 marks – Two issues identified or described (<i>e.g. lack of – confidentiality and psychological harm</i>) and applied to psychology (<i>e.g. Milgram or Zimbardo studies</i>) / You Tube.	4
	3 marks – Two issues identified but only one applied to psychology.	
	2 marks – Either one issue identified and applied to psychology OR two issues identified only.	
	1 mark – one issue identified only.	
	0 marks – inappropriate or no answer.	
(ii)	Answer/ mark given depends on issue given in (i).	3
	E.g. Lack of confidentiality could be dealt with by ensuring full confidentiality i.e. blocking of faces and not mentioning names, so unable to identify participants from viewing the clip.	
	3 marks – detailed description for dealing with the issue and linked to 'YouTube'.	
	2 marks – basic description for dealing with the issue and linked to 'YouTube'.	
	1 mark – description for dealing with the issue only.	
	0 marks – way of dealing is inappropriate for issue mentioned or no answer.	
		Total 11

Question	AO1	AO2	AO3	TOTAL
4	4	4	-	8

Question	Answer	Marks
4 (a)	<p>One mark for each of the following (max 4 marks):</p> <ul style="list-style-type: none"> • Used to describe young children's learning. • Bedtime stories and reading aloud are classic examples. • Interactional support. • The process by which parents/teachers mediate a child's attempts to take on learning. • Any other relevant material. • Three distinct modes to learning. <p>Example of full mark answer: Helpful interactions between adult and child that enable the child to do something beyond his or her own independent efforts – for example night time stories (4).</p>	4
(b) (i)	<p>Possible answers:</p> <ul style="list-style-type: none"> • High ecological validity as real world learning. • Positive impact on education. <p>2 marks – one detailed strength described. 1 mark – one basic strength described. 0 marks – inappropriate strength or no answer.</p>	2
(ii)	<p>Possible answers:</p> <ul style="list-style-type: none"> • The theory is incompatible with the schema theory. • Cannot explain the effectiveness of student led learning. <p>2 marks – one detailed weakness described. 1 mark – one basic weakness described. 0 marks – inappropriate strength or no answer.</p>	2
		Total 8

Question	AO1	AO2	AO3	TOTAL
5	4	6	5	15

Question	Answer	Marks
5 (a)	<p>One mark each for the following (max of 4 marks):</p> <ul style="list-style-type: none"> • Excessive/unreasonable fear of an object/animal. • Exposure to the phobic stimulus provokes an anxiety response (only one credited). • Person realises that the fear is excessive and unreasonable. • Phobic situation(s) is avoided. • Interferes significantly with the person's life. • Fear not better explained by another disorder. • Any other appropriate symptom. 	4
(b)	<p>One mark each for the following (max of 5 marks):</p> <ul style="list-style-type: none"> • Identify therapy (only one credited). • Application of named therapy (e.g. systematic desensitisation). • Principles of the therapy. • Stages of the therapy (e.g. forming hierarchy). • Relaxation techniques. • Positive reinforcement. • Any other relevant material. 	5

Question	Answer	Marks
5 (c)	<p>Credit can be given for:</p> <p>Weaknesses such as:</p> <ul style="list-style-type: none"> • High relapse rate. • Ignores biological and/or cognitive reasons. <p>Strengths such as:</p> <ul style="list-style-type: none"> • No side effects. <p>Any other relevant material.</p> <p>5-6 marks Information is selected illustrating range and depth, though not necessarily in equal measure. Information is very well organised and communication is highly appropriate. There is very good use of specialist terms with few errors, in spelling, punctuation and grammar.</p> <p>3-4 marks Some relevant information is selected, illustrating either range or depth. Information is well organised and ideas are expressed in a logical manner. There is good use of specialist terms with some errors in spelling, punctuation and grammar.</p> <p>1-2 marks Basic/simple information is selected OR response is muddled. Information is poorly organised. There is limited use of specialist terminology / vocabulary and frequent errors in spelling, punctuation and grammar.</p> <p>0 marks – inappropriate or no answer.</p>	6
		Total 15

Question	AO1	AO2	AO3	TOTAL
6	14	8	6	18

Question	Answer	Marks
6 (a)	C A (D) B 2 marks – all correct. 1 mark – one correct. 0 marks – none correct or no answer.	2
(b) (i)	One mark each for the following (max 2 marks): <ul style="list-style-type: none"> • Recording information. • No independent variable or dependent variable. • Natural setting. • Sometimes uses hidden camera. • Watching behaviour. • Any other relevant material. 	2
(ii)	Possible answers: <ul style="list-style-type: none"> • Used as an initial investigation to try and measure patterns of behaviour when unsure what the important variables are. • High (ecological) validity. • Able to do this type of study when unethical to manipulate an independent variable. • Any other relevant advantages. 4 marks – two advantages clearly stated. 3 marks – two advantages stated. 2 marks – one advantage clearly stated OR two advantages stated. 1 mark – one advantage stated. 0 marks – inappropriate or no answer.	4
(iii)	Possible answers: <ul style="list-style-type: none"> • Low (experimental) validity and cannot control confounding variables. • Open to researcher bias. • Any other relevant disadvantage. 2 marks – one disadvantage clearly stated. 1 mark – one disadvantage stated. 0 marks – inappropriate or no answer.	2

Question	Answer	Marks
6 (c) (i)	<p>Possible answer: Select pupils age 8 to 10 from a school which is nearby/closest/known to researchers and is available for study.</p> <p>2 marks – full explanation given. 1 mark – basic explanation given. 0 marks – inappropriate or no answer given.</p>	2
(ii)	<p>Possible answer: Less time consuming because selected participants are available/easier to obtain.</p> <p>2 marks – full explanation given. 1 mark – basic explanation given (e.g. easy or quick). 0 marks – inappropriate or no answer given.</p>	2
(d)	<p>Possible answers:</p> <ul style="list-style-type: none"> • Most pupils/75% are able to sort into categories. • Most pupils/80% are able to understand conservation. • Most pupils/53% are able to see things from another's perspective. • The skills shown demonstrate the cognitive development at the concrete operational stage. <p>More than 50% showed behaviour typical Piagetian stage (2 marks).</p> <p>4 marks – explanation of the graph is well detailed and clearly linked to supporting Piaget's theory. 3 marks – explanation is detailed and some link to Piaget's theory. 2 marks – basic explanation linked to Piaget's theory OR detailed explanation of graph only. 1 mark – very limited explanation with no link to Piaget's theory. 0 marks – inappropriate or no answer.</p>	4
		Total 18

Question	AO1	AO2	AO3	TOTAL
7	4	6	6	16

Question	Answer	Marks
7 (a)	<p>One mark each for the following (max 4 marks):</p> <ul style="list-style-type: none"> • Fails to give close attention to details or makes careless mistakes. • Difficulty sustaining attention / short attention span. • Does not seem to listen when spoken to directly. • Has difficulty organizing tasks and activities. • Easily distracted by extraneous stimuli. • Hyperactivity. • Often fidgets with hands or feet or squirms / unable to sit still. • Leaves seat. • Often talks excessively. • Impulsive behaviour. • Blurts out answers before question completed. • Difficulty awaiting turn. • Interrupts or intrudes on others. • Any other relevant material. 	4
(b) (i)	<p>2 marks – 5 1 mark – placing numbers in correct order only. 0 marks – inappropriate or no answer.</p>	2
(ii)	<p>2 marks – 5 1 mark – placing numbers in correct order only. 0 marks – inappropriate or no answer.</p>	2
(iii)	<p>2 marks – accurate conclusion drawn and applied 1 mark accurate but basic conclusion (e.g. there is no difference) OR error carried forward. 0 marks – inappropriate or no answer.</p>	2

Question	Answer	Marks
7 (c)	<p>Credit can be given for:</p> <ul style="list-style-type: none"> • Ignores desirability of behaviour. • Examples of behaviours that could be considered statistically infrequent. • Does not differentiate between rare and psychologically abnormal. • Cultural norms may be ignored. • Alternative definitions of abnormal behaviour. • Any other relevant material. <p>Any other relevant material.</p> <p>5-6 marks Information is selected illustrating range and depth, though not necessarily in equal measure. Information is very well organised and the form and style of communication is highly appropriate. There is very good use of specialist terms/vocabulary with few, if any, errors, in spelling, punctuation and grammar.</p> <p>3-4 marks Some relevant information is selected, illustrating either range or depth. Information is well organised and ideas are expressed in a logical manner. There is good use of specialist terms/vocabulary with some errors in spelling, punctuation and grammar, but these are not intrusive.</p> <p>1-2 marks Basic/simple information is selected OR response is muddled. Information is poorly organised. There is limited use of specialist terminology/vocabulary and frequent errors in spelling, punctuation and grammar.</p> <p>0 marks – inappropriate or no attempt at answer.</p> <p>Max 4 marks for one issue.</p>	6
		Total 16



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