

SPECIMEN

General Certificate of Secondary Education

B541

Psychology

Unit B541: Studies and Applications in

Psychology 1 Specimen Paper

Time: 1 hour 15 minutes

Candidates answer on the question paper.

Additional materials:

Candidate Forename	Candida Surname		
Centre Number		ndidate mber	

INSTRUCTIONS TO CANDIDATES

- Write your name in capital letters, your Centre Number and Candidate Number in the boxes above.
- Use black ink. Pencil may be used for graphs and diagrams only.
- Read each question carefully and make sure you know what you have to do before starting your answer.
- Answer all the questions.
- Do not write in the bar codes.
- Do not write outside the box bordering each page.
- Write your answer to each question in the space provided.

INFORMATION FOR CANDIDATES

- The number of marks for each question is given in brackets [] at the end of each question or part question.
- The total number of marks for this paper is 80.
- You will be awarded marks in questions 17 and 22 for the quality of written communication including your use of specialist terms, spelling and grammar.

FOR EXAMINER'S	USE
Α	
В	
С	
D	
E	
TOTAL	

Answer all questions.

SECTION A - BIOLOGICAL PSYCHOLOGY

Sex & Gender

The Case of James

James is a 7 year old boy who behaves in both traditional male and traditional female ways. For example, he enjoys play fighting but also likes to play with his cousin's dolls. His parents are concerned about this, and so will only buy him 'boys' toys for his birthday.

1	Using the stimulus;			
(a)	James' gender could be	described as 'androgyno	us'. State what 'androgynous' means?	F41
(b)	Give an example of Jame	es' feminine behaviour.		[1]
				[1]
(c)	Give an example of Jame	es' masculine behaviour.		
•				[1]
2	Complete the following table development.	e to identify the biologica	al factors associated with gender role	[4]
		Male	Female]
	Chromosomes	XY		_
		Testes	Ovaries	
	Hormones		Oestrogen	
	ii)			
•				[4]
4	development.		x and the Electra complex in gender	
•				
•				
				[4]
			Section A Tota	I [15]

SECTION B - DEVELOPMENTAL PSYCHOLOGY

Attachment

5	From the options below, identify which situation is associated with a 'secure attachment'.	
	Tick one of the above boxes to show your answer.	[1]
	An attachment where children show little bonding.	
	An attachment where children prefer to be with their carers but feel safe with others.	
	An attachment where children show extreme distress at being parted from their carers.	П
6		ent.
		[2]
7	Bowlby's theory is one explanation of attachment.	
	The passage below is about Bowlby's theory. Complete it by filling in the gaps.	
	You must choose a different word for each gap from the list below.	
	instinct monotropy deprivation reinforcement critical	
	"Bowlby believed babies are born with the to form attachments. They do this with o	one
	primary caregiver which is known as Attachments have to happen in	ı a
	period. If a child loses their attachment they will suffer from mater	nal
	,"	[4]
8	(a) Describe Hazen & Shaver's (1987) study into types of attachment.	
	(a) Describe Hazerra Shaver's (1907) study into types or attachment.	
		[4]

(b)	Outline two limitations of Hazen and Shaver's study into attachment types.
(i)	
` '	[4]
	Section B Total [15]

SECTION C – COGNITIVE PSYCHOLOGY

Memory

\sim	4:	£	41 '	T	I
Qυ.	estions	s tor	tne	reac	ner

Ross: Sir, did you say that information gets displaced from short-term memory if it is overloaded?

Psychology Teacher: Yes – that's right.

Ross: And did you say that information decays quickly in short-term memory as

well?

Psychology Teacher: Yes – if you don't have chance to rehearse it.

Ross: Sir – then why do you dictate so much so quickly?

9 Using the stimulus:		
(a) identify the two features of short-term	n memory that are being discussed	
(i)		
(ii)		[2]
(b) give the two reasons for forgetting th	at are identified	
(i)		
(ii)		[2]
10 There are a number of processes involv	red in memory.	
Look at the following diagram.		
Draw a line from each process to match it	ts correct definition.	[2]
PROCESS	DEFINITION	
Attention	Repeating data over and over again.	
Dalkanad	Representing data in a different format.	
Rehearsal	Consciously selecting data for storage.	

	6
11	
(a) 	Describe the findings of Terry's (1995) study into memory.
	[3
b)	Terry used a laboratory experiment to conduct his study. Outline one problem of using this method of studying memory.
	[2
12 E	Explain one application of research into memory.
	[4
	Section C Total [15

SECTION D - INDIVIDUAL DIFFERENCES

Atypical Behaviour

13	Outline the difference between typical and atypical behaviour.	
		[2]
14	Outline how evolutionary theory can be used to explain a fear of the dark.	
		[3]
15	Diagnosing Phobias	
	When Esther was a child, she developed a fear of going to school. She is now 34 years old and has an extreme fear of going outside her home.	
U	sing the stimulus;	_
(a)	Name the type of phobia Esther suffered from as a child.	
 (b)	Name the type of phobia Esther is suffering from now.	
 16	Watson & Rayner (1920) conducted a study where they induced a phobia in a young child.	[1]
	From the options below, identify two criticisms of the study.	[2]
	Tick two of the boxes to show your answers.	
	It is difficult to generalise from the findings.	
	It is unethical to cause unnecessary distress.	
	The findings are out of date.	
	The child may have lied about his phobia.	
17	Describe the behaviourist theory of phobias.	
•••	Section D Total	[6] [15]
	Cection D Total	[.0]

[Turn over

SECTION E - SOCIAL PSYCHOLOGY

Obedience

(i)(ii)			
20 To Obey or Not Obey			[]
A psychologist carried out a study into ober to pose as a warden in a park. When the addropping litter, he would approach them and the people observed followed the assistant	ssistant saw any d tell them to pu	members of the pul	olic
Look at the table below.			
In each example, decide whether the change in	the study would	d increase or decrea	se the
original level of obedience. Show your answer by putting a tick in the appropria	ate column		[3]
Show your answer by putting a tick in the appropria		DECREASE IN	[3]
	INCREASE IN OBEDIENCE	DECREASE IN OBEDIENCE	[3]
Show your answer by putting a tick in the appropria	INCREASE IN		[3]
Show your answer by putting a tick in the appropria CHANGE IN STUDY The assistant poses as a passer by rather than	INCREASE IN		[3]
Show your answer by putting a tick in the appropriate CHANGE IN STUDY The assistant poses as a passer by rather than a park warden. The warden threatens to fine the member of the	INCREASE IN		[3]
Show your answer by putting a tick in the appropriate CHANGE IN STUDY The assistant poses as a passer by rather than a park warden. The warden threatens to fine the member of the public if they do not follow the instruction. The study takes place in a run down shopping	INCREASE IN OBEDIENCE		[3]

9
22 Describe and evaluate situational factors as an explanation of obedience.
[10
Section E Total [20
Paper Total [80





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OXFORD CAMBRIDGE AND RSA EXAMINATIONS

General Certificate of Secondary Education

PSYCHOLOGY J611

Unit B541: Studies and Applications in Psychology 1

Specimen Mark Scheme

The maximum mark for this paper is 80.



Question Number		HOLOGY		
		Answer		Max Mark
1	and traditional femal but also likes to pla	ale ways. For exam ay with his cousin's	s in both traditional male ple, he enjoys play fighting dolls. His parents are buy him 'boys' toys for his	
1(a)	'androgynous' mean	ns? cause he behaves in	androgynous'. State what both traditional male and e.	[1]
1(b)	Give an example of a 1 x AO2 mark for "He			[1]
1(c)	Give an example of a 1 x AO2 mark for "He			[1]
2	Complete the follow			
_	associated with gen		the biological factors nt.	
_				
_		der role developme	nt.	
_	associated with gen	der role developme Male	nt. Female	
_	Chromosomes Gonads Hormones	Male XY Testes Testosterone	rot. Female XX Ovaries Oestrogen	
3	Chromosomes Gonads Hormones 1x AO1 mark for each Outline two criticism development.	Male XY Testes Testosterone correctly placed res	rot. Female XX Ovaries Oestrogen ponse as shown above.	[4]
	Chromosomes Gonads Hormones 1x AO1 mark for each Outline two criticism development. 2 x AO2, 2 x AO2	Male XY Testes Testosterone correctly placed res	rot. Female XX Ovaries Oestrogen ponse as shown above.	[4]
	Chromosomes Gonads Hormones 1x AO1 mark for each Outline two criticism development. 2 x AO2, 2 x AO2 For each criticism; 1 mark for a brief, bas of upbringing", "it does changing gender roles 2 marks for a more de not universal (1) as the "since males have the testosterone (1) we make the stosterone (1) we make the	Male XY Testes Testosterone a correctly placed resemble of the biological services and the biological services are considered as a correctly placed resemble of the biological services are chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be if they we same chromosomes and the property would be in the property would be p	response e.g. "gender roles are vere part of human nature (1)", and similar levels of	[4]

Section A - BIOLOGICAL PSYCHOLOGY			
Question Number	Answer	Max Mark	
4	Explain the difference between the Oedipus complex and the Electra complex in gender development.		
	1 x AO1 mark for identifying a feature of the Oedipus complex e.g. "boys experience castration anxiety".		
	1 x AO1 mark for identifying a feature of the Electra complex e.g. "girls experience penis envy".		
	Plus up to 2 x AO2 marks for drawing a separate distinction between the two concepts. 1 mark for a basic or one-sided distinction or 2 marks for an elaborated or detailed distinction e.g. "boys solve the complex by identifying with their father (1) whereas girls solve the complex by		
	identifying with their mother (1)".	[4]	
	Section A Total	[15]	

Section B	- DEVELOPMENTAL PSYCHOLOGY	
Question Number	Answer	Max Mark
5	Attachment From the options below, identify which situation is associated with a 'secure attachment'. An attachment where children show little bonding. An attachment where children prefer to be with their carers but feel safe with others. An attachment where children show extreme distress at being parted from their carers.	
	1 x AO1 mark if (only) 2 nd statement ticked.	[1]
6	Outline one way in which the care of children has been influenced by research into attachment. 1 x AO2 for a brief, basic or unclear response e.g. "parents can stay overnight in hospitals with children", "children are placed with foster parents".	
	2 x AO2 marks for a more developed response e.g. "parenting classes teach parents about the importance of quality of care (1) over quantity of care (1)", "children are placed with foster parents (1) rather than kept in institutions (1)".	[2]
7	Bowlby's theory is one explanation of attachment.	
	Complete the passage below, about Bowlby's theory. Complete it by filling in the gaps.	
	You must choose a different word for each gap from the list below.	
	instinct monotropy deprivation reinforcement critical	
	"Bowlby believed babies are born with the <u>instinct</u> to form attachments. They do this with one primary caregiver which is known as <u>monotropy</u> . Attachments have to happen in a <u>critical</u> period. If a child loses their attachment they will suffer from maternal <u>deprivation</u> ."	
	1 x AO1 mark for each correctly placed answer as shown above.	[4]
8(a)	Describe Hazen & Shaver's (1987) study into types of attachment. 1 x AO1 mark for each accurate feature of the study described e.g. aim, method used, details of sample, controls, findings. 2 x AO1 marks can be awarded for a well described feature.	
	For full marks, description should be coherent. Only award full marks if both methodology and findings are covered.	[4]
	, and a second of the second o	

Section B - DEVELOPMENTAL PSYCHOLOGY			
Question Answer			
8(b)	Outline <u>two</u> limitations of Hazen and Shaver's study into attachment types.		
	2 x AO3 2 x AO3		
	For each limitation outlined;		
	1 mark for a brief, basic or unclear response e.g. "people can lie in surveys", "people may forget what happened in childhood", "the sample was biased".		
	2 marks for a more developed or detailed response e.g. "the sample selected themselves (1) so may not be representative", "the results are only reliable (1) if participants have good insight into their relationships (1) ""respondents were only questioned about one relationship (1) which		
	(1)", "respondents were only questioned about one relationship (1) which may not be representative of others (1)".	[4]	
	Section B Total	[15]	

Section C	- COGNITIVE PSYCHOLOGY					
Question Number	Answer	Max Mark				
9	Memory Questions for the Teacher					
· ·	Ross: Sir, did you say that information gets displaced from short-term memory if it is overloaded?					
	Psychology Teacher: Yes – that's right.					
	Ross: And did you say that information decays quickly in short-term memory as well?					
	Psychology Teacher: Yes – if you don't have chance to rehearse it.					
	Ross: Sir – then why do you dictate so much so quickly?					
9(a)	Using the stimulus: identify the two features of short-term memory that are being discussed					
	1 x AO2 mark for capacity or similar response e.g. 'space'.					
	1 x AO2 mark for duration or similar response e.g. 'time'.	[2]				
9(b)	give the <u>two</u> reasons for forgetting that are identified					
()	1 x AO2 mark for displacement.					
	1 x AO2 mark for decay. [2]					
10	There are a number of processes involved in memory.					
	Look at the following diagram.					
	Draw a line from each box to match its correct definition.					
	PROCESS DEFINITION					
	Repeating data over					
	Attention and over again.					
	Representing data					
	in a different format.					
	Rehearsal					
	Consciously selecting data for storage.					
	1 x AO1 mark for each correct match as shown above.	[2]				

Question Number	Answer	Max Mark
11 (a)	Describe the findings of Terry's (1995) study into memory.	
	1 x AO1 mark for a brief or basic response e.g. "he found the primacy/recency effect"	
	2 x AO1 marks for a more developed response e.g. "participants remembered more TV commercials at the beginning (1) and end of a list (1)"	
	3 x AO1 marks for a developed and detailed response e.g. "Murdoch found that the serial position of an item in a list affected recall (1) with items at the beginning and end of a list being recalled more (1) because they were stored in LTM and STM respectively (1)"	[3]
11 (b)	Terry used a laboratory experiment to conduct his study. Outline one problem of using this method of studying memory.	· ·
	1 x AO3 mark for a brief or basic response e.g. "lacks ecological validity", "too artificial".	
	2 x AO3 marks for a more developed or detailed response e.g. "memory was tested under artificial conditions (1) which means findings may not apply to the real world (1)", "participants may respond to demand	
	characteristics (1) as they work out what's being tested (1)".	[2]
12	Explain one application of research into memory.	
	1 x AO2 mark for identifying an application e.g. memory aid, advertising Further AO2 marks for a description of the application in terms of detail,	
	examples, explanations	
	e.g. in explaining memory aids, a candidate may describe the technique, and detail how it works possibly in relation to psychological theory	
	e.g. in explaining advertising, a candidate may outline an illustrative example and relate it to the psychological research behind it.	
	If more than one application offered, then credit highest scoring one.	[4]
	Section C Total	[15]

Question Number	Answer	Max Mark
12	Atypical Bahayiaus	
13	Atypical Behaviour Outline the difference between typical and atypical behaviour.	
	1 x AO1 mark for a statement about typical behaviour e.g. "it is something which is normal"	
	1 x AO1 mark for a statement about atypical behaviour e.g. "only a small number of people behave like this"	[2]
14	Outline how evolutionary theory can be used to explain a fear of the dark.	
	1 x AO1 2 x AO2	
	1 mark for a brief response e.g. "people instinctively fear the dark" 2 marks for a more developed response e.g. "fear of the dark aids survival (1) because people are more likely to have an accident when they cannot see what they are doing (1)"	
	3 marks for a detailed and developed response e.g. "We have evolved to show a preparedness (1) to fear objects and situations which threaten our survival (1) such as the dark, as we are more open to attack (1)"	
	For full marks, there must be some reference to an evolutionary concept e.g. preparedness, instinct, heritability, adaption (to environment), survival.	[3]
15	Diagnosing Phobias	
	When Esther was a child, she developed a fear of going to school. She is now 34 years old and has an extreme fear of going outside her home.	
15(a)	Using the stimulus;	
Ισία	Name the type of phobia Esther suffered from as a child. 1 x AO2 mark for school phobia	[41]
	1 X AOZ Mark for School phobia	[1]
15(b)	Name the type of phobia Esther is suffering from now.	
v 1	j	

Question Number	Answer	Max Mark
16	Watson & Rayner (1920) conducted a study where they induced a phobia in a young child.	
	From the options below, identify two criticisms of the study.	
	It is difficult to generalise from the findings. ☑	
	It is unethical to cause unnecessary distress. ☑	
	The findings are out of date.	
	The child may have lied about his phobia.	
	1 x AO3 mark for each correctly ticked answer as shown above.	
	No marks if more than two boxes ticked.	[2]
17	Describe the behaviourist theory of phobias.	
	6x AO1	
	1-2 marks: There is a brief reference to one or more concepts associated with the behaviourist theory. Explanations may be common sense rather than technical. Quality of written communication can be basic, using few if any psychological terms. There can be some errors in spelling, punctuation and grammar.	
	3-4 marks: There is an attempt to explain one or more key concepts associated with the behaviourist theory. This is done with some level of accuracy. Quality of written communication is at least satisfactory, using some psychological terms. There are few errors in spelling, punctuation and grammar. Meaning is communicated.	
	5-6 marks: Key concepts are explained with accuracy and clarity, and for full marks explicitly applied to phobias. Key concepts may include classical conditioning, association, unconditioned response, unconditioned stimulus, conditioned response, conditioned stimulus,	
	stimulus generalisation. Candidates who use a diagram to demonstrate classical conditioning can score up to 3 marks. Quality of written communication is at least good, and uses psychological terms. The	
	spelling punctuation and grammar is largely accurate. Meaning is communicated clearly.	[6]

Number	Answer			Max Mark
18	Obedience Give the name of the type of personality that is most likely to obey. 1 x AO1 mark for authoritarian (personality).			[1]
19	Give two limitations of Bickman's (1974) study into obedience. 1 x AO3 mark for each criticism e.g. cultural bias, out of date, narrow measure of obedience, lack of consent			[2]
A psychologist carried out a study into obedience. She arrang for her assistant to pose as a warden in a park. When the assistant and tell them to put it in the bin. 82% of the people obserfollowed the assistant's instructions. Look at the table below. In each example, decide whether the change in the study wou increase or decrease the original level of obedience. Show your answer by putting a tick in the appropriate column				>
	In each example, decide wh increase or decrease the or	riginal level of obe	dience.	
	In each example, decide wh increase or decrease the or	riginal level of obeong a tick in the app	dience. propriate column. DECREASE IN	
	In each example, decide when increase or decrease the or Show your answer by putting	riginal level of obeong a tick in the app	dience. propriate column.	
	In each example, decide whincrease or decrease the or Show your answer by putting CHANGE IN STUDY The assistant poses as a passer by rather	riginal level of obeong a tick in the app	DECREASE IN OBEDIENCE	
	In each example, decide whincrease or decrease the or Show your answer by putting CHANGE IN STUDY The assistant poses as a passer by rather than a park warden. The warden threatens to fine the member of the public if they do not follow the	riginal level of obeong a tick in the app	DECREASE IN OBEDIENCE	

Question	- SOCIAL PSYCHOLOGY Answer	Max
Number		Mark
21	Describe one application of research into obedience.	
	1x AO2 mark for identifying the application e.g. obedience in schools,	
	obedience in armed forces. Further AO2 marks for a description of the application in terms of detail, examples, explanations.	
	e.g. in explaining obedience in schools, a candidate may describe use of	
	punishment and relate it to psychological theory, in explaining obedience in the army	
	e.g. a candidate may describe the use of hierarchies and relate them to	
	psychological research on the role of authority and denial responsibility.	
	If more than one area of application offered, then credit highest scoring	
	one.	[4]
22	Describe and evaluate situational factors as an explanation of obedience.	
	5 x AO1 5 x AO2	
	AO1 marks for reference to concepts such as: all individuals as	
	obedient; setting; authority; consequences; denial of responsibility.	
	AO2 marks for valid evaluation points such as: ignoring disposition;	
	defiance of authority; ecological validity of research; supported by	
	cultural differences; ethics of relevant research.	
	1-3 marks: There is a brief reference to one or more key concepts.	
	Situational factors may be described in common sense ways. There may	
	be some attempt at evaluation but it will be weak. Quality of written	
	communication can be basic, using few if any psychological terms.	
	There can be some errors in spelling, punctuation and grammar.	
	1.7 more to Thorn is a description of one or more tray concepts. This is	
	4-7 marks: There is a description of one or more key concepts. This is done with some accuracy. There must be an attempt to evaluate to	
	score above 5 marks. Evaluation points may be brief but should be	
	relevant. Quality of written communication should be at least	
	satisfactory, using some psychological terms. There are few errors in	
	spelling, punctuation and grammar. Meaning is communicated.	
	8-10 marks: There is an explanation of at least two key concepts. This is	
	done with accuracy and clarity. Evaluation offers breadth and/or depth,	
	and points are coherent and relevant. Quality of written communication	
	is at least good, and uses psychological terms. The spelling punctuation and grammar is largely accurate. Meaning is communicated clearly.	
	and grammar is largely accurate. Meaning is communicated cleany.	
	N.B. Where evidence is offered (e.g. Milgram) this can be credited as	
	AO1 or AO2 depending on how it is used in the answer.	[10]
	Section E Total	[20]
	Paper Total	[80]

12

Assessment Objectives Grid (includes QWC)

Question	AO1	AO2	AO3	Total
1(a)		1		1
1(b)		1		1
1(c)		1		1
2	4			4
3	2	2		4
4	2	2		4
5	1			1
6(a)		1		1
6(b)		1		1
7	4			4
8(a)	4			4
8(b)			4	4
9(a)		2		2
9(b)		2		2
10	2			2
11(a)	3			3
11(b)			2	2
12		4		4
13		2		2
14	1	2		3
15(a)		1		1
15(b)		1		1
16			2	2
17	6			6
18	1	·		1
19			2	2
20		3		3
21		4		4
22	5	5		10
Totals	35	35	10	80