

Examiners' Report June 2019

GCE Psychology 9PS0 01



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Introduction

The examination structure provided a range of question types over five sections, with the final extended responses requiring candidates to address issues and debates. Many candidates demonstrated good psychological knowledge and understanding in this examination, and centres have clearly covered the required content in sufficient depth which has benefitted candidates.

Candidates have worked hard throughout this paper, with many candidates making attempts at all questions, which was very positive to see. However, some candidates did not respond to the later essay questions and may benefit for future series in practising timing.

Strengths were seen in the understanding of some elements of biological psychology in the issue and debate question of science, however the responses were not well linked to the underlying concepts of science.

Application remains a general area for improvements for the AO2 questions, although this has developed since the 2018 examination, some candidates are giving generic responses that are not applied to the context, for example failing to draw on the study by Fuchsia in Q1a, Q1b and Q1c and giving generic answers, or simply including her name without any relevant application of their knowledge and understanding to the study she was conducting.

There is an improvement in candidate understanding of the taxonomy of questions, with many able to meet the demands of questions more consistently. Further development would benefit candidates when responding to 'explain' questions, where often the justification of their point is not fully developed. This was evident particularly in question 1c where a strength or weakness was often given but was not justified or exemplified to any degree to achieve the AO3 mark.

Candidate responses to the cognitive key question were mixed where most candidates seemed to be aware of their key question for society and could give facts and information about it, but they struggled to make the links between the key question and relevance to society, sometimes giving substantial theory/concepts/research about their key question, but only weakly demonstrating their knowledge and understanding of the relevance of the key question itself.

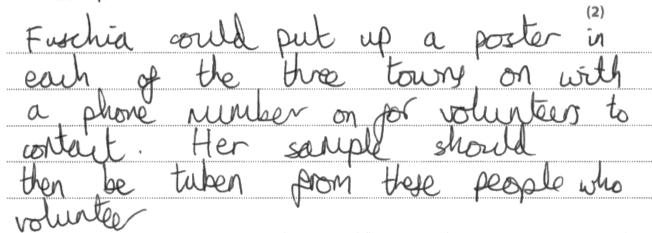
Candidates completed the mathematical calculations well, however there remains some confusions with regards the determination of significance from statistical tests.

The remainder of this Examiner Report will focus on each individual question and specific examples with the aim of highlighting areas of good practice and some common errors which can be used to help prepare candidates for future 9PSO/01 examinations.

Question 1 (a)

This was an AO2 question where candidates were required to describe how Fuchsia could use a volunteer sampling technique. Candidates were required to apply their understanding of the sampling technique to the stimulus material to achieve marks on this question. Common strong answers utilised features of the scenario, such as local towns, to give a description of using volunteer sampling in relation to the study. Where candidates did not achieve well, they often defined a volunteer sample, muddled volunteer and opportunity sample or gave a generic response without consideration of the stimulus given.

- 1 Fuchsia was interested to see whether location affected prejudice. She is planning to visit three towns in her area and ask participants questions to judge how prejudiced they are.
 - (a) Describe how Fuchsia could recruit her participants using a volunteer sampling technique.





This candidate achieved two marks.

They have fully applied their response to gathering a volunteer sample from the locations required for the study.

Question 1 (b)

This was an AO2 and AO3 question where candidates were required to explain one strength and one weakness of using a thematic analysis in relation to Fuchsia's data about the effect of location on prejudice. Often candidates gave generic responses regarding a thematic analysis and did not access the four marks available here. A common confusion in responses was to give answers related to content analysis rather than thematic analysis. Where candidates achieved well, they were able to relate this choice of methodology to the data gathered by Fuchsia and justify how or why this was a strength or weakness for her data analysis.

(b) Fuchsia intends to use thematic analysis to analyse her data.					
Explain one strength and one weakness of Fuchsia using thematic analysis to					
analyse her data. (4)					
Strength					
Makes the data quantitative instead of					
qualitative meaning she can conduct					
analysis a lot easier when looking					
at & the effect of location on					
Orendice.					
Weakness It may lead to a loss of detay					
and unique data if she has issues					
assigning responses to categories. This					
may affect the internal validates.					



This candidate achieves one mark.

They have identified a strength for the AO2 mark here, but this is not justified for AO3.

The weakness is generic and appears to be a content analysis rather than a thematic analysis.

Question 1 (c)

This was an AO2 and AO3 question where candidates were required to explain an improvement that could be made to the questions shown in Figure 1. A number of candidates responded to this question by first giving a weakness, then giving an improvement, rather than giving an improvement and justifying how or why this was an improvement, and often only accessed the AO2 mark. Some candidates gave improvements for the study overall rather than addressing the questions they were presented with in Figure 1. Some candidates suggested using a close question, rather than improving the actual questions they were presented with.

(c) Fuchsia has drafted some open-ended questions that she plans to use, which are shown in Figure 1.

My prejudice questions

- 1. If someone called you a racist, what would you say?
- 2. What do you think about people different to yourself?
- 3. Research has indicated that people who have social dominance orientation and right-wing authoritarianism may be more prejudiced than people who score higher in openness, and agreeableness. What do you think about this?

Figure 1

Explain one improvement Fuchsia could make to the questions she has drafted shown in Figure 1.

(2)one improvement that Fuchina could make is that The could make one of her questions a rating scale rather an open question for example, question 2 could "doyou have a regarine or positive opinion about people different to yourself, strongly regative and 5 being strongly positive" will allow for qualitative results whilst (Total for Question 1 = 8 marks) This gaining an opinion on prejudice



This candidate achieved zero marks.

The response is not an improvement to the open-ended questions Fuchia has drafted, it is a change of question type to a closed-ended question.

Question 2

This was an AO1 and AO3 question where candidates were required to give an extended response to evaluate social impact theory as an explanation of obedience. Most candidates responded well to this question attempting to evaluate the theory using supporting evidence and contrasting explanations of obedience giving a good evaluation and demonstrating strong understanding of the theory and points for and against this as an explanation of obedience. Where candidates struggled it was often with the AO1 skills, giving underdeveloped points that were not always accurate or detailed knowledge and understanding of the theory. Some candidates also gave research studies in isolation, without making any link as to how or why these particular studies supported or went against and of the concepts of social impact theory and failed to make it clear what these were being used to evaluate, and at times this was presented in as almost 'list like' selection of research evidence with no links to the theory or chains of reasoning, therefore only demonstrating the skill of AO1 knowledge and understanding without the AO3 evaluation.

social impact theory states the obedience is dependent on the 'strength' of someone (how much authority they have), "immediacy" (how close in proximity is the source to target), and the 'number' of Sources to targets.

Milgram's follow up studies into obedience found-most only 48% of participants (ppts) were obedient when the study investigating whether a ppt would administer electric shocks to another person if ordered by an authority figure, took place in a rundown office block, compared to the original 65%. This meant that when there was little strength the ppts were not as obedient, supporting social impact theory.

However social impact theory dues not explain However Milgramis Andies used an artificial task of providing electric snocks to confederates if they answered a question wing when asked by an authority tiquie. This wears that the study lacks mundane realism as we wonld not perform this tesk in the real world. Therefore Milgram's study

lacks internal validity and the findings that normal people can cause harm & another person when agood & cannot be confidently generalised beyond the research setting. So Milgram is not a wern may be support social impact theory.

To conclude there is empirical evidence by Milgram to support the theory but it lacks a external validity. Overall social impact theory is a good theory at explaining obedience. Social impact theory also \$1885 the term 'sources' to describe those with authority.



This candidate achieved four marks.

AO1 is level 2, with mostly accurate knowledge and understanding.

AO3 is level 2, with some development of relevant material.

Question 3

This was an AO1 question where candidates were required to describe 'semantic memory' (Tulving, 1972). Most candidates achieved well here, with many gaining two marks. Where candidates achieved one mark it was often due to limited descriptions making only one point, usually about memory for factual information, without any additional content in the answer. Errors were rare here, usually seen when confusing 'semantic memory' with 'episodic memory'.

Tulving (1972) proposed an explanation of long-term memory.

Describe what Tulving (1972) meant by 'semantic memory'.

(2)

Semanfic Memory is Memory of gards,

irrespective of time or placexe, y, the

capital of France is Paris,



This candidate achieved two marks for a full description.

Question 4 (a)

This was an AO1 question where candidates were required to state two findings of the classic study by Baddeley (1966b). Candidates could use the results and/or conclusions from any of the three experiments conducted in the 1966b research. Most candidates were able to access marks on this question, with a number achieving the full two marks here. Where candidates did not achieve marks, their responses lacked accuracy in terms of the findings and were simplistic statements.

4 During your course you will have learned about the classic study by Baddeley (1966b).			
(a) State two findings of Baddeley (1966b).	(2)		
Finding one acoustically			
He found that people recalled better dies	semolar		
sæunding words from a liest.			
Finding two			
He also found that semantically secula	i heads		
were better recalled by participants.			



This candidate scored zero marks.

There is a lack of clarity in the response and the findings stated are unclear.

Question 4 (b)

This was an AO1 and AO3 question where candidates were required to explain two weaknesses of the classic study by Baddeley (1966b). Many candidates achieve marks on this question, with a number giving well considered weaknesses that were specific to the study. The AO1 mark was awarded for each of the candidate's identifications of a weakness of the study and the AO3 marks were awarded for the justification of each weakness.

Most candidates showed understanding of the study and this was pleasing to see, however some candidates gave answers that were not specific to the study and were generic responses that could be applied to 'any' laboratory experiment. Candidates are reminded to identify a specific weakness from the study itself. Some candidates showed muddled understanding of validity in this question, especially when discussing the task itself. Many candidates did not justify the weakness they had given, often making basic and rote learned statements such as 'so it is not ecologically validity' without any exemplification of how or what it is that is not ecologically valid.

(b) Explain two weaknesses of Baddeley (1966b).	(4)
Weakness one	
Recalling word USIS IS & was an a	Africa
+25k which therefore 25 u acres not rep	resent
an everyday acknity This suggests the	\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.\.
theory lacks mendane realism theref	lere
presenting law valuely	
Weakness two	
The sample was only 72 premiups	vus
which is reasonably small when inve	
the deplement conductions This presents	
generausability issues as the wider p	pulseron
was not represented	



This candidate achieves two marks.

They have identified two weaknesses for each AO1 mark.

Neither weakness has been fully justified for AO3 marks.



Generalisability reflects the representativeness of a sample rather than the size of a sample, many candidates confuse this point.

Question 5

This was a discuss AO1 knowledge and understanding and AO2 application of theory, concepts and/or research to the key question of relevance to society from cognitive psychology. Many candidates struggled to present their AO1 for the key question, often not engaging with content such as how the key question is relevant for today's society, how the key question is likely to affect individuals in society or how the key question is likely to affect society as a whole. This limited a number of responses to lower marks. The AO2 use of theory, concepts and/or research was stronger, with a range of theories from the specification content used to explain the key question. A key question needs to be of relevance to society, and there were some responses seen that were not appropriate key questions, thus the candidates were unable to achieve well with those responses.

Common key questions seen included;

- Can knowledge of working memory inform interventions for Dyslexia? This was generally well answered, with candidates able to distinguish between AO1 and AO2, giving relevant information about the impact of dyslexia on individuals and society with particularly strong links to educational achievement and the features of Dyslexia, then and linking this well to AO2 in order to explain Dyslexia and treatments and interventions using working memory model.
- How reliable is eye witness testimony? This was generally mixed, with candidates being able to give some relevant information about the impact of unreliable eye witness testimony on individuals and on wider society with links to court hearings and police interviewing techniques, this element of AO1 was often the weaker aspect to answers. This was often well linked to concepts from cognitive psychology, most often reconstructive memory.
- Can knowledge of cognitive psychology help with treatment for Dementia? This was generally mixed, with candidates being able to give relevant information about the impact of Dementia in society, to the individuals and how it affects people, AO1 in these responses was often the strongest part of an answer. This was often not well linked to concepts from cognitive psychology, making the AO2 element to these answers limited.

In terms of AO1, the following could be considered:

- How is the key question relevant for today's society?
- How is the key question likely to directly affect individuals in today's society?
- How is the key question likely to affect society as a whole?
- Are there any relevant examples which could help show knowledge of the key question? In terms of AO2, the following could be considered:
- What theories can be used from the specification content to explain the key question?
- How can the theories explain how the key question developed in today's society?
- How can the theories explain how to reduce or possibly eliminate the impact of the key question on today's society?

• Are there any concepts from the specification content that can explain the key question in today's society?

5	Cognitive psychology has been used to explain key questions of relevance to today's society.
	Discuss the key question for society you have studied using concepts, theories and/or research from cognitive psychology. (8)
	Key question
4004000	15 Eye Wilmers Tellimony boo Unreliable to trust?
*******	by Agarmony referes he speach given he a jury by Agarmony a withers of a criminal act. It is
/.	regarded as evidence against the day for he crime, it
j.	s very important hat it is accurate because it
	Threnced the guilty or not guilty verdict made by the
	uy,
1	whemore, accuracy of eyewitness bethmony is impatant to
.5	ociety because if it is in accurate then here will be
Q	notinall out in society committing more comes and
4	sulling people at 11th. His if the wrong person is convicted
KA	en his will be very regaline for hem and more
!	noney will have to be spend of funding appeals.
/	Towerer, Batleth Neary of reconstructive memory study
	hat memory is an active process and not passivety shored
	Le a tope recorder of or video Terfore when we recall
/	remailed per are reconstructed using or Schemas, which
4	re streted parcels of huraledge about a specific event
****	or object. Bartletts pear would suggest that eye
	vinuss Jeshiniciny is unretiable because when we recall
******	momation we use schemed to aid as, which

does not give us an accurate representation of he memor ik self as it is reconstructed In addition h his Loftes and Palmer conducted a lobology study which conduded that misleading infamation in he form of leading quellians effects memory recall. They arted participant to estimate speeds of a con from watching a video of a car crash, but the verb used to describe he speep of the car was changed News used were "collided, bumped, hit, smark and essely crash". The participants who were given the verb Smalled were more likely to say key saw smalled glass even haugh there was none. This study suggest that memory can be changed, if leading questions are asked to an eye Timess making it unreliable In conclusion, eyewithers test many has many weathered is such at how we use schemal to girt our recall leading h in accurate recall, However, the evidence from can be counter argued is and cukhali's finding, where they discovered that real life lead to accuracy in recall when given a leading question



This candidate achieved four marks.

AO1 is level 2, most accurate knowledge and understanding of the key question is given.

AO2 is level 2, with some application of relevant theories and concepts to the key question.

Question 6

This was an AO2 question where candidates were required to describe how hormones could account for the behaviour demonstrated by Charles in the scenario. Common strong answers often included more than one hormone that may account for Charles' behaviour, often testosterone, cortisol and serotonin. Some candidates utilised features of the scenario, such as shouting insults, fighting, breaking classroom equipment and his age, to give a description of the role hormones may have in those behaviours, however that was not seen in a significant number of responses. As such, many candidates did not achieve well, they often described one or more hormones and a link to aggression in general but did not apply to the scenario of Charles, giving a generic response without consideration of the stimulus given and scoring zero marks.

6	Charles is 14 years old and has been displaying aggressive behaviour.			
	Recently he has shouted insults at other students and broken classroom equipment in his science lessons. Charles has also been in a fight with the football captain after Charles let in an important goal during the last match of the season.			
	Describe how hormones could account for Charles's behaviour.			
	(3)			
	harles is a boy meaning that he has higher levels of anarogen			
6	esosterane harmone meaning has more physically aggressive			
(eadinghim to shout insulus at other students			
.0	harresisaisa 14 years old therefore meaning new going			
Н	prough puberty which is where tesosterone levels peakleading			
40	than plearing class took edichweir			
T	esosterone can cause congrowth of the hypothalamus			
and amygdala and lead to competitive aggression				
Q	recoming why charies is getting into Agrits with rootball			
	(Total for Question 6 = 3 marks)			
	apteur as charles wants to be seen as the pest player and etter than the captain			



This candidate achieved three marks.

There are three well applied points in the response that link an appropriate hormone to the scenario to explain Charles's behaviour.

Question 7 (a)

This was an AO2 question where candidates were required to state the research hypothesis for their biological practical. The biological practical must be a correlational study and focus on attitudes to drug use or aggression. In a number of cases, candidates gave a hypothesis for the wrong practical investigation. Where candidates did achieve well, they were able to give a clear, wellstructured correlational hypothesis with fully operationalised variables. A number of candidates struggled with the correlational nature of the hypothesis, referring to causal IV and DV 'differences', rather than a 'relationship' or 'correlation' between co-variables.

There were some practical hypothesis stated here that were unethical, and centres are reminded that the practical research exercises must adhere to ethical principles in both content and intention. Please review the specification requirements to aid this.

- As part of your psychology course, you were required to carry out a practical investigation when studying biological psychology.
 - (a) State the research hypothesis for your practical investigation in biological psychology.

(2)

There will be a positive correlation between aggressian weels and self-reported stress





This candidate achieves one mark.



For two marks, candidates should fully operationalise the variables in a hypothesis.

Question 7 (b)

This was an AO2 question where candidates were required to describe the results of the statistical test carried out on the data gathered in their biological practical investigation. For the biological practical, this should be a Spearman's test, and a number of candidates appeared to give descriptions of a variety of other statistical tests or at times described measures of central tendency/dispersion. Candidates could state the results from the statistical test itself, or the correlation in terms of strength and direction.

(b) As part of your practical investigation when studying biological psychology, you were required to carry out a statistical test.

Describe the results of the statistical test you carried out for your practical investigation in biological psychology.

(2)

Mann whitey U as it was a independent groups design and a test Which usual arounds date



This candidate scored zero marks.

The biological practical is a correlation and so a test of difference is an incorrect statistical test.

Question 7 (c)

This was an AO2 and AO3 question where candidates were required to explain one strength of their biological practical investigation about aggression or attitudes to drug use. Often candidates gave generic responses regarding the use of a questionnaire or sampling technique and did not demonstrate links to their own practical. Where candidates achieved well, they were often able to make clear identifications of a strength from their own biological practical, commonly this was an ethical consideration, and justify how or why this was a strength in relation to the nature of the biological practical investigation.

(c) Explain one strength of the practical investigation you carried out when studying biological psychology.

(2)

ength of our practical investigation was we kept the aim of our study conceal duce the rish of demand characteristics



This candidate scored zero marks for a generic response.



Candidates should be able to give the specific details of their practical investigation.

Question 7 (d)

This was an AO2 and AO3 question where candidates were required to explain one improvement to their biological practical investigation about aggression or attitudes to drug use. Often candidates gave generic responses and did not make it clear what the improvement was in terms of the practical, nor the AO3 of how or why this would be an improvement to achieve the justification/exemplification marks, regarding the use of a questionnaire or sampling technique and did not demonstrate links to their own practical. Candidates often misunderstood the requirements for generalisability, stating that simply finding a bigger sample would improve this, rather than that a more representative sample would improve generalisability.

(d) Explain one improvement you could make to the practical investigation you carried out when studying biological psychology.

(2)

U.S. & a received was used Sample es people

For different and ocalion, as espleaded aducation.

This world have the sample more representative or the wider population. Therefore produced globally



This candidate scored zero marks as their response is generic.

Question 8

This was an evaluate AO1/AO3 question where candidates were required to evaluate the classic study by Raine et al (1997). Candidates were required to demonstrate knowledge and understanding of the study and evaluate the specific elements of the study. There were some strong evaluations of Raine et al (1997) in a number of answers seen, but many candidates gave responses that consisted of generic points, for example an evaluation of a PET scanning method without any link as to how this made the study itself strong. There were a number of candidates demonstrating misconceptions with regards the study, for example references to incorrect sample group, representativeness of the sample, inaccurate ethical evaluations and many believing the task was conducted during the PET scan rather than prior. The inaccuracies often limited the awarding of higher marks on the question for a number of candidates.

8 During the course you will have learned about the classic study by Raine et al. (1997).
Evaluate the classic study by Raine et al. (1997).

(8)

Raise Set al (1997) as near to investigate whether the structure of

some the brain of a norther was different to that of a

non musely. Raise used a laboratory experiment to hearigule

this. Laboratory experiments have low levels of ecological

validity and are of the open to demand character sitties that

can be soon by participants. For example in Raine et al 1997

movers

they could have befored in a new that they thought you demed

of them. This therefore pestioning the reliability of the

findings in the other.

Additionally Raise carried out a procedure whee he wild a brain Scan technique of PET Scan to investigate brain Scan technique of PET Scan to investigate brain activity. He injected the pattents with a grasse traver FDG (fundering more) which we proceed up with the positions releases gamma rass which are proceed up on a computer. After injecting them with the quanter traver they (which out a 32 minute CPT (continues performed took), and the results were recorded on a computer device. Raise has been continued for his wife of PET Scans as they are invasive on the posticipats. However, it can be arried that a PET Scan is an objective Standard procedure that yourse produce results that are Validard feliable. This therefore improving the validity and reciphilists of the standard Raise corried out.

Futhermore Raine Found in his results that Musters had a lover activity in the prefrontal coreex than in non-modern and also yours brut in the the analydala tige was assymetric activity so moders had higheractivity in the right handside ofthe amygodala and lover in the left whereompred to nonmurders. The anygoda is part of the linki & system that cornois emotions and is known as the agression certer in the boain. The preprontal cotexis Knowfor Corproving Social in Kration. Therefore if these are dysperctional it oppossions biological evisence that aggession could be consed by the structure of the boin. However & Raine used is dependent groups design and also used 2 groups of 41. So one control group of no moder and another grapof moders. These graps each Corsisks of 39 mues on 2 femules. This memory the research mine correct out is androcentric and high genter bias. This neepoe questioning the extent to which he con apply his findings to other members of the population Suchas femoles. Raine also carried his research out in the University of California, this also reing that research anot be representative of other untres as it was only compresed on the murders in the US so is cultrally bion. To condude the inestigueion Raile confied out has a high steems Stordawijes procedure and is not open to subjective opinion Honever his research compatyet be applied to other culties organders within sociaty. (Total for Question 8 = 8 marks)



This candidate achieved seven marks

AO1 is level 4, with accurate and thorough knowledge of the study.

AO3 is level 3, with logical chains of reasoning and a developed evaluation.

Question 9 (a)

This was an AO2 question where candidates were required to identify the observation type from the scenario. Many candidates achieved well on this question, identifying covert, non-participant or naturalistic as a correct response.

- 9 Malik carried out an observation in a local cinema to investigate which films males and females watch. Malik stood near two screen entrances where he could not be seen and tallied whether males and females entered the screen to watch either a horror film or a comedy film.
 - (a) Identify the type of observation that Malik used in this study.

(1)

CONSIT OBSEINOTION



This candidate achieved one mark for a correct identification.

Question 9 (b)

This was an AO2 mathematics question where candidates were required to construct a bar chart to represent that data for those who viewed a horror film. Many candidates achieved well here. Where errors were seen, it was candidates who often used data for both the horror and comedy film. Some candidates lost a mark for an inaccurate axis label.

(b) **Table 1** shows the number of males and females who watched either a horror film or a comedy film at the local cinema.

	Comedy Film	Horror Film
Males	++++ ++++ /	###
Females	////	### \O

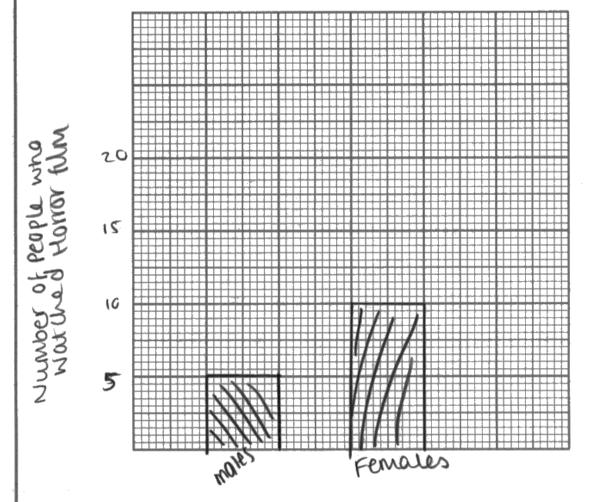
Table 1

Using the data from **Table 1**, draw a bar chart to represent the number of males and females who watched a horror film.

(3)

Title

A Bar Chart to Show the Number of Males and Fernales who frequestions a Horror Film



Male & or remale - Ppt Gender



This candidate achieved three marks for an accurate bar chart.

Question 9 (c) (d)

This was an AO2 mathematics question where candidates were required to calculate the chisquared to two decimal places and then determine significance. Most candidates achieved well here. Errors were seen occasionally in giving the chi-squared to more than two decimal places or a miscalculation of the final column. More blank responses were seen on this question compared to others, suggesting candidates would benefit from further practice on statistical tests. Where errors were seen in the determination of significance it was usually as a result of either taking the critical value from the wrong column, or misreading the instruction at the bottom of the chi-squared table at the front of the paper and muddling the requirement to exceed the critical value for significance, stating instead less than the critical value for significance.

(c) Complete **Table 2** to calculate the chi-squared test for Malik's study to **two** decimal places.

 $\{4\}$

		Observed	Expected	O-E	(O-E) ²	(O-E) ² /E
Males	Comedy Films	12	9.5	5.2	6.25	0.66
	Horror Films	5	7.5	- 5 . 2	-6.25	- 0.83
Females	Comedy Films	7	9.5	-2.5	- G.25	-0.66
	Horror Films	10	7.5	2.5	6.25	0.83
				C	hi-squared =	2.98

Table 2 SPACE FOR CALCULATIONS

Chi-squared (X2)	2.	98	
Chi-squared (A -)	-		

(d) Malik had a two-tailed (non-directional) hypothesis with df = 1 and used p=0.05as his level of significance.

Determine whether there is a significant difference between male and female film choice.

(1)

There is no significant diffrence.



This candidate achieved four marks for the chisquared test calculation to two decimal places.

They did not achieve a mark for their determination of significance as there was no use of the critical value or observed value to make this determination.

Question 9 (e)

This was an AO2 and AO3 question where candidates were required to explain one weakness of Malik using quantitative data. Some candidates were able to identify the weakness, but many gave a generic weakness of quantitative data rather than in relation to the scenario given. Justification and exemplification for AO3 was a factor limiting many candidates achieving two marks, with a number being unable to give depth for their AO3 marks here.

(e) Malik used quantitative data for his study into film choice at the local cinema. Explain one weakness of using quantitative data for Malik's study. nearing the data is ten detailed and counct have as much aetailed tenths as the qualitarive data.



This candidate achieves zero marks for a generic answer.



Candidates should draw upon the scenario when answering application questions.

This is indicated in the question stem 'for Malik's study' to help direct candidates to the scenario and context.

Question 10

This was an AO1 and AO2 discuss question that required candidates to demonstrate an equal emphasis between knowledge and understanding of Social Learning Theory and application to the scenario of Holly in their answer. Many were able to make links to the process Holly would have experienced when learning to use the fork through social learning theory, but AO1 was often weak in answers with limited underpinning knowledge or understanding shown about the processes and steps in social learning theory. Some candidates muddled vicarious reinforcement with direct reinforcement, and few went beyond the points of attention, retention, reproduction and motivation.

10 Tom has a daughter called Holly who is 18 months old. Tom is trying to teach Holly how to use a fork by demonstrating to her how he holds it. He also shows Holly how to use the fork to pick up food and says "well done" to her every time she uses the fork correctly. Holly smiles and laughs each time she picks up some food with the

ARRIM role moeu einforcemen

Discuss how social learning theory could account for Holly using a fork on her own. You must make reference to the context in your answer.

(8)

social regurning theory explains learning through objerventoon

Further, Holly learning to we a forth can be outlained by the fact that her dold Tom will be a me model to her, she is close to him and if he mows her how to had and cent with ner forth one will be more whely to copy hum as he is a role model to her Holly, how paid attention to the role model observing the behaviour me wines to copy.

Secondly Holly how retounced this information of wheat The her observed so that one can copy the behaviour. when Holly reproduces the benowsur Tom Says well done, much bushing per mount mountain to continue to repeat this benewbur. This is linown as vicarious reinforment as hom provides positive neinforcements to incourage the beheinsour, as she does this she is wourning to repeat the behowbour.

Thirdly, Holly understands that eating with the

force is correct and omiles and coughs each time the does it as tom how provided her with an observation and how more voited her to continue to elect with a forte or one he provies her each time which mous that social learning theory can account for Holly eating with a forle on her own.

However, once Tom Props prairing Holy me may stop eating with a forle if one doesn't onserve owners doing it as one will be demonvated as there is no neurforcement. But by observing orners eur with a forth Holly is more thany to do to as one will the them being proused for doing so, which is also an example of recausar rendocement such as when Bandura's chudren observed saws acting aggressively to -wards the bobs doll among punishment they feet cuble to do sa, Holly will copy the benewair west will produce rawards.

In conclumon, social Ceurning theory appears how Holly can observe behaviour and by being proused continues the behowcour.



This candidate achieved five marks.

AO1 is level 2, with mostly accurate knowledge and understanding.

AO2 is level 3, with application of relevant points to Holly.

Question 11

This was an AO1 and AO3 assess question drawing on the issues and debates concept of ethics. Candidate responses tended to rely very heavily on Milgram and HM in the answers, and did not develop the points about ethical considerations especially well. This often limited the engagement with the wider debate of ethical issues and ultimately limited the assessments that could be made and judgements reached about ethical considerations across social and cognitive psychology. In an issues and debates question, candidates should draw from a range of content to address the question presented to demonstrate a broader range of understanding and assessment.

11 There are many considerations that need to be taken into account when conducting research with human participants.

Assess how far research from social and cognitive psychology could be considered

(8)

The extent to which resource can be considered ethical retiro b resource adheres to the BPS (2014) ethica quidelines, which outline what considerations should be made by researchors e.g. Social responsibily, distress of participants etc. The Withmoldy, a participant should not be more at right them they would Paydialogy into obedience cun wether a) Milgram # (1963) De volunter somple 60 males a study stated to be related to tearning trevall at Male University, Connecticut, The procedure subjected partetrant to synificant distress, equiry them to deliver schocks to an innocent, and in pain confederate. Hereby Parkingulo were given a fest shock of 650 to ensur they have the pain they were county, and increased the valleye dotale holsers in the controlerate (acting as a learner) each time they arranged a question incorrectly. This oldy can be to breach other other purdelle proteche , endenced by the last that clear strain was absenced and 7/40 experienced seizurs. to me deception used, however necessary it was, dearly renders Show a unethical. contrast, research in countitive psychology e. Baddey 19666 can be considered highly ethical. Issignite 72 Porticipants I wen and women how cambridges Applied paychologram research unit) informed consent to purhicipate in a ship whip

rcall: aconstrolly ~ studes 6: (explo - 12 madown office Book) Even Bugar 2001's replication that aimed to becaucit con contal nunts how uses es cours pripherenten di bondian Thate it brain damped pulcula (2). Navy usta) resulted in psychological debress p + Plenpl soper



This candidate achieved five marks.

The AO1 is level 3, they have accurate knowledge and understanding of research in social and cognitive psychology and relevant ethical issues.

The AO3 is level 2, some judgements and assessments are present, but there is an imbalance towards social psychology as unethical versus cognitive as ethical rather than addressing both equally in terms of their ethical and unethical research.

Question 12

Candidates were directed to draw on biological psychology in order to present the extent to which this can be considered scientific. Many candidates were able to give components of biological psychology that they considered scientific, but over emphasis was seen on Raine et al (1997) and psychodynamic explanations as the basis of their arguments. Few candidates fully demonstrated understanding of the nature of science, and what constituted scientific theory or research. Where some candidates had grasped the nature of science, they were able to give this information well and provide developed AO3 to elaborate on how biological psychology was or was not scientific. Unfortunately, this was not common in responses. Blank answers were seen here, and candidates may benefit from guidance on exam timing and structure to aid their balance across the paper.

Objective measurer are scientific as they are not open to interpretation and so are not product to resolve bias. In Painternal; PECSCONS.

Longore compare consider and a control group to see how brains score of connected criminals and a control group to see how brains adjustmention may are not the PECSCONSORE

associated with brain against may differ. The PECSCONSORE

objective measurer and so it increases the scientific status of the status of the supporting the scientific status of the losgical psychology. However, researchers analyse the brain scon image.

produced and so this may not decreases the scientific status of the approaches the ap

Explanation
The evolutionary of the evolutionary of the evolutionary of the evolutionary of the evolution of the evolutionary adoptation is not according to its not possible to bethe is approach on making it terms to evolution or the evolution of the evolution

The hormonal expansion of aggression can be seen as a goly sometiments to identify convertible of the source of the composed to a control

group of latt to see how testorterare affects behaviour. This is scentic As it The wie of a control group about the researcher to i desting a cause retain cause reflect between tertories one and the behavior of late. Furtermore the later conselved so they have identical gene and some or eliminate participantonable a affecting re Sension, making biological prychology reientific

frend expains not we nove 2 inhale driver to Thomator + Erosand here together form the 10 and that it he ego + superego event developed properly we ruid take dominance and course a us to behave in an aggregive way. At This nearly is unschentific as Frend based most of his on idear on his own introspection which is Liguy subjective. For remove, he explanation is not ketable and the terms 10, superso are hard to measure as negere internal mental postate, making it conscientific.

Biological prychology involve much cab experiments, three control extraneous variables to see the effect of the Ivan the DV. An example is easil; he et made sure the participant were medication free 2 weeks prior to new scan so Rat recognition mediacation do not affect ne seen scain activity, making it essier for Lin to identify cause tellect + & by eliminating extraveour variable. Therens can also be replicated to test for reliability, increasing threientic statur of reapproces Twin studier and adoption studier are used; there may be considered asiers recentific as the perpose of this die

MATTER HOLDER H MAY & DIFFICULT TO SEE THE EXPECTOR GENE ON THE CHARGE CONTROL OF THE MATTER CONTROL OF THE MA

To conclude, blocogical approach chardereloped to be not scientific. In the pert treparing and perenology were used which are prende scientific and over the year due to development to the motogy it has become more rejectific.



This candidate achieved ten marks.

AO1 is the middle of level 4, with thorough knowledge and understanding shown.

AO3 is top of level 3, with limitations due to a lack of evidence to support the judgements being made.

Paper Summary

Based on performance on this paper, candidates are offered the following advice:

- Some candidates may still benefit from practising their timing and balance of content in responses. Many candidates did not appear to draw on the question size to aid in their examination timing, giving more detail than required in short-answer questions.
- Candidates should clearly apply their understanding of psychology to the context in a given scenario, they should not just give a name or single word as this is insufficient as an application skill.
- Generic points should be avoided. Candidates should be able to give specific responses that are clearly linked to the question content and taxonomy, for example when giving a strength of a practical, it should be explicit how the point made relates to the practical.
- Where candidates are expanding their points, the use of evidence and supporting/contesting concepts could aid them in exemplifying their knowledge and understanding as appropriate, but this must be clearly connected to the concept they are evaluating or expanding.
- Candidates should consider their key question of relevance to society and have a clear focus about how or why this key question is of relevance to society.

Grade Boundaries

Grade boundaries for this, and all other papers, can be found on the website on this link:

http://www.edexcel.com/iwantto/Pages/grade-boundaries.aspx