

Examiners' Report June 2017

GCE Psychology 9PS0 03





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June 2017

Publications Code 9PS0_03_1706_ER

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Introduction

Candidates generally found this paper accessible with the vast majority being able to provide a response to all questions in the time allowed. Weaker responses were generic and this hindered candidate performance as a cohort, so centres should remind candidates to always give a contextualised response when they are provided with a scenario / stem / context.

For research methods (section A) the best responses applied all of their ideas to the context/ scenario in the question. When there is a context/scenario provided and the question references back to the study (e.g. 'in the iPhone effect study') then candidates need to explicitly link their ideas back to the scenario/context. Weaker responses were commonly generic for 1b, 1c, 1d and 2b, which limited performance for these questions. Unfortunately it was common to see misconceptions and a misunderstanding of ethics for animal research for 2(b) which centres may want to revisit when preparing candidates for future series.

For the review of studies (section B) the best responses for Q3 engaged with the scenario/context as there was no AO1 being assessed. Weaker responses gave purely generic statements in 3(b). Candidates were able to access Q4 as it was regarding two compulsory studies, but only the stronger responses focused on the demands of the question and gave more developed arguments regarding culture and gender. Candidates need to remember that rote learned recall of two studies will gain limited credit whereas those who focus on the demands of the question directly will be more rewarded.

The final section was issues and debates (section C) where candidates struggled with Q5 but accessed Q6 well. For Q5 the majority of candidates were able to offer lots of AO1 and AO2 but did not offer enough AO3 analysis, interpretation, and evaluation, so overall gave an imbalanced response. The final question provided an opportunity to stretch and challenge candidates, and this essay discriminated well between candidates, with the best responses giving a focused answer with a lot of specific detail to support their arguments.

The remainder of this Examiner Report will focus on each individual question and specific examples of candidate responses which can be used to help prepare students for future 9PSO/03 examinations.

Question 1 (a)

Q1a required candidates to state a fully operationalised two-tailed hypothesis for the study.

Candidates generally performed well on this question, with the majority scoring either 1 or 2 marks. Most gave a two-tailed hypothesis, whilst a minority gave a one-tailed or null hypothesis. The best responses fully operationalised both the IV and DV and used a single sentence in a clear statement.

The iPhone Effect

Researchers wanted to investigate whether the presence of mobile phones influences the quality of in-person social interactions. In a field experiment, 100 pairs of participants were observed during the course of a 10-minute conversation.

The researchers recorded whether participants placed a mobile phone on the table or held it in their hand. The researchers measured the level of connectedness and empathetic concern at the end of the conversation for those with a mobile phone present and those where it was absent.

(Source: adapted from Mirsa et al. (1999))

(a) State a two-tailed (non-directional) hypothesis for the iPhone effect study.

There will be a significant difference in connectedness and empatible concern all between those that had a mobile phone present or absent during the conversation.



This response was awarded 2 marks. The IV is fully operationalised and the DV is also fully operationalised. It is a two-tailed hypothesis which is accurate.



Candidates should always fully operationalise their IV and DV when formulating a hypothesis.

Question 1 (b)

Q1b required candidates to give an explanation of why the experimental/research design was appropriate for the study.

The best responses accurately identified the design for the AO2 mark, and then explained why this is relevant to the study given. The most common responses related to avoiding demand characteristics or avoiding order effects.

Unfortunately the majority of candidates either misunderstood the question and explained why a field experiment was appropriate, or made an assumption that a matched pairs design had been used when it had not been. Candidates are reminded to read the question carefully and centres are advised to reinforce to candidates what an experimental/research design is referring to (see specification point 9.1.3).

(b) Explain why the experimental/research design used in the iPhone effect study was appropriate.

The field experiment design was appropriate

Reause you would need partitipants to believe

the senario is real to accurate esponding
behaviour and thus giving the study validity.



This response was awarded 0 marks. The candidate has misunderstood the question and has attempted to explain why a field experiment was appropriate.



Centres are advised to reinforce to candidates what is meant by an experimental/research design.

Question 1 (c)

Q1c required candidates to give an explanation of one strength of using a field experiment for the study.

The best responses gave a full explanation of a strength of using a field experiment in the context of the study. Weaker responses gave a brief explanation for 1 mark or candidates gave a purely generic response.

The two most common strengths of using a field experiment included increased ecological validity and to reduce demand characteristics.

Candidates need to remember to apply all ideas to the stimulus or context when provided with one. The questions need contextual responses with explicit links to the study given in the question, which is made clear in the question being phrased.

(c) Explain one strength of using a field experiment for this study.

One transft of using a field experiment for his tedy was
Not it allowed participants to be in a natural environment
as key normally would be with his phones. This Marepore
with he was to as the experimenter
could gain naturalistic walts from the participants and
maintain murdane restson.



This response was awarded 2 marks. The candidate gives a full explanation of one strength of using a field experiment (ecological validity) which is in context of the study.



It was made clear in the SAMs and specimen papers that generic responses score 0 marks for questions such as this. Therefore, candidates are advised to contextualise all responses in this examination where possible in future series.

Question 1 (d)

Q1d required candidates to give an explanation of two weaknesses of using the ranked scale questions for the study.

There was a mixed performance on this question with candidates spread across the full mark range. The best responses gave two appropriate weaknesses of using rank scales in the context of the study. Weaker responses were either generic or did not fully justify their weaknesses so could not gain maximum credit for each weakness. Some candidates gave general weaknesses of the study whereas the question asked for two weaknesses of using rank scales.

Where there is a context or scenario provided (as there has been here), candidates need to give a contextual response, which is directly linked to the scenario for each idea presented, as specified in the question.

(d) To measure connectedness and empathetic concern ranked scale questions were used where 1 indicated not close (connectedness) or no concern (empathetic concern) and 7 indicated very close (connectedness) or high concern (empathetic concern).

Explain **two** weaknesses of using ranked scale questions in the iPhone effect study.

Participants may have different ideas about what is considered to be not got very close so there is subjectuity as their interpretation of the scale. This reduces the as not everyone will assess it to some may reliability and validity of results about the same may participants are limited by the closed questions—they are their behaviour imply by choosing a number. Therefore as their findings are provided questionable. Therefore as their findings are provided questionable. They may lack validity, as it doesn't tell their shape they presente of a phone of offects livels of cornectioners and empathetic conver

(4)



This response was awarded 4 marks.

The first mark is given for the different interpretation of the scales applied to the context, which is justified fully for the AO3 mark. Therefore, the first weakness scored 2 marks.

The third mark is given for not being able to express the meanings or motives for their behaviour as the ranks are quantitative. This is then fully justified for the AO3 mark and the whole weakness is applied to the context at the end. The second weakness also gets 2 marks.



Where candidates are asked for 'two' of something (in this case two weaknesses), they must link both back to the context/scenario in an explicit manner (or it would be generic and no AO1 is being assessed here).

Question 1 (e)

Q1e required candidates to explain three appropriate conclusions that could be made using the data in Table 1.

Candidate performance varied, with them acccessing the full range of marks. The best responses gave three accurate conclusions and supported each conclusion with evidence from the table. Weaker responses either gave basic conclusions with no evidence, or gave inaccurate conclusions. Candidates tended to be able to explain the mean scores more successfully than standard deviation scores. Some candidates just repeated data from the table without any form of conclusion, judgement or analysis, which were required for this question.

(e) The results of the study are given below in Table 1.

	Mobile phone present		Mobile phone absent	
	Mean	Standard deviation	Mean	Standard deviation
Empathetic concern	3.54	0.91	5.85	0.66
Connectedness	5.05	0.76	5.36	0.64

Table 1

Analyse the data in **Table 1** to explain **three** conclusions that the researchers might draw from these results.

Conclusion 1

Significantly

With the mobile phone absent, the mean was higher for the empathetic concern (5.85 without Phone, 3.54 with show) highlighting that a person without a phone and concentrating more on the conversation will have more empathetic concern than those with a phone

Conclusion 2

The connectedness of people trulking to another person with a phone did n't significantly differ from those without a phone (mean = 5.05) highlighting that the presence of a phone doesn't have much effect on the connectedness the person has taxwards the ather person

(6)

Conclusion 3

People who had a phone during the conversation, standard deviation will only and one compared to those without a phone so 0.66 and 0.64.
This shows those people who had a phone during conversation varied more in their answer than those that didn't so individual differences may also be a factor.

(Total for Question 1 = 16 marks)



This response was awarded 6 marks overall.

Conclusion 1 had an appropriate conclusion about empathetic concern and supported this with relevant evidence from table 1 so was given 2 marks.

Conclusion 2 had an appropriate conclusion about connectedness and supported this with relevant evidence from table 1 so was given 2 marks.

Conclusion 3 had an appropriate conclusion regarding the standard deviation scores for connectedness and supported this with relevant evidence from table 1 so was given 2 marks.



Candidates should give a conclusion when asked, not just repeat data from a source. Data can support or justify why a conclusion has been made, but is not in itself a conclusion.

Question 2

Q2 required candidates to read and interpret the stimulus / context and then use this for parts (a) and (b) that followed. Overall candidate performance varied across the full mark range, with the majority scoring between 0-6 marks (out of the 8 available).

Part (a) required candidates to explain one practical application of the study given in the question.

The best responses gave a fully justified practical application of the study which was relevant and suitable. Weaker responses gave either a brief application for 1 mark or did not offer a relevant practical application of the study.

Part (b) required candidates to justify whether using animals was appropriate for the study.

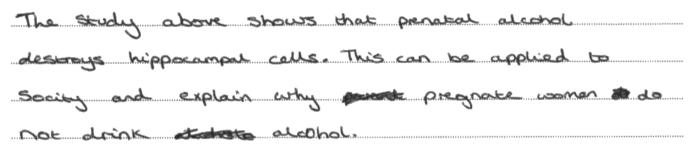
The best responses gave a range of relevant ideas for or against the use of rats in the study, with all ideas given in context of the study in the question. Weaker responses either offered some brief arguments for or against or alternatively gave generic statements about animal experiments. Generic arguments for or against the use of animals did not gain credit as they needed to be explicitly linked to the study for credit (as no AO1 was being assessed).

2 Researchers wanted to test the effect of <u>prenatal alcohol exposure</u> on the development of the <u>hippocampus</u> in the brain. They administered repeated 1g/kg doses of pure alcohol (ethanol) in a nutritionally adequate liquid diet to <u>pregnant rats</u>. Control groups were fed the same liquid diet except for the substitution of sucrose (sugar) for pure alcohol (ethanol).

The brains of 60-day-old offspring were investigated and those that were exposed to alcohol were found to have 20% fewer hippocampal cells compared to the control groups. Prenatal exposure to pure alcohol (ethanol) permanently reduced the number of hippocampal neurones without altering physical growth.

(Source: adapted from Barnes and Walker (1981))

(a) Explain **one** practical application of the above study.



(2)

(b) Justify whether the use of animals in this study was appropriate.

The use of animals in this surdy was profiled,

Stations, if they can have to use a lower class animal

then homen because it is more ethical. However,

because they are using rate to the results can not

be generalised to homens because of extrapolation of the

The study does not say how many not they said they said to have been the said to have been the said to have s



For part (a) this response was awarded 1 mark. There is a relevant practical application of the study identified by the candidate, but it was not fully justified for the second mark.

Part (b) was awarded 1 mark. The first statement made by the candidate is generic and the bit about generalisability is not specific enough to gain credit. The mark is given for the idea of using the fewest number of rats, but does not fully justify this (perhaps with some link to the 3 Rs). The final statement on page 2 is inaccurate.



Candidates need to give responses that are specific to the context given to them in the question. Generic answers will commonly score no credit so it is vital that candidates apply all their ideas to the scenarios given.

Question 3

Q3 required candidates to read and interpret the stimulus / context and then use this for parts (a) and (b) that followed. Overall candidate performance varied across the full mark range, with the majority scoring between 0-6 marks (out of the 8 available).

Part (a) required candidates to explain what the information given in the question regarding the observed value meant for the outcome of the study.

The best responses used the information they had been given to compare the observed/calculated value with the critical value and then justified what this meant for the study findings. Weaker responses gave a brief statement of either comparison of the observed/calculated value with the critical value or gave a general yet accurate statement about the results (both scored 1 mark).

Part (b) required candidates to explain how useful social learning theory could be in accounting for the findings of the study.

The best responses applied the main concepts used in social learning theory to the findings of the study and gave supporting evidence or counter arguments to fully justify their ideas. Weaker responses focused only on the application of the theory, usually with generic statements related to social learning theory.

3 Superman vs The Joker

Playing computer video games is a very popular pastime, which has been suggested to have an influence on human behaviour. The characters within the games may encourage people to act in particular ways after engaging with the game for a period of time.

To assess the influence of computer video game characters on behaviour researchers recruited the help of 60 students aged 17 to 37 years old. The participants were divided into two groups where they played a violent computer video game as either Superman (a hero) or The Joker (a villain). Those assigned as Superman (a hero) had to protect another character from threats (prosocial behaviour) whereas those assigned as The Joker (a villain) had to attack another character (antisocial behaviour).

After 15 minutes participants were thanked and they left the laboratory where an apparently lost letter was lying on the floor. Researchers noted the number of participants who posted the letter in a postbox, which was close by, and those who ignored the letter. Those who posted the letter were considered to be acting in a prosocial manner whereas those who ignored the letter did not act prosocially.

(Source: adapted from Happ, 2013))

(a) The results of the Superman vs The Joker study are given below in **Table 2**.

	Superman (hero)	The Joker (villain)
Pick up and post letter	14	6
Ignore letter	16	24

Table 2

The researchers carried out a chi-squared (χ^2) test and found an observed value of 4.8 for a 5% level of significance with a one-tailed test.

Explain what this shows in terms of prosocial behaviour for those assigned to play as either Superman (hero) or The Joker (villain).

As the observed value of 4.8 is greater than

the critical value of 2.71, this shows that there is a significant difference. Therefore, those who played the game as the hero observed and installed the toros behavior and also posted the letter, which is a more thing to do that they want from the hero.

(b) Explain how useful social learning theory could be in accounting for the findings of the Superman vs The Joker study.

(6)

Learning Theory is fairly useful in explaining these findings. It suggests that those playing the hero or villan observed and peid attentia to characte was exhibiting. Hes then retained this information to we at a leter dote (This case to use when Hey san the letter lying on the Floor) Participants then behanar similar to what we exhibited in the example those who pkyed of the hes reproduce the behavior as they without a character who walk also commit good doods. then be motivated to do this again. (his may through vicarious reinforcement for example hero may have seen the their behavior, making them ugst he also feel they may deed may be newarding as doing a good

themselves Support for Social learning theory from Bordina & who Round that boys were more likely to imitate aggressive acts towards a bobs doll than girls, and bays were more blely to mitste models of their own gerder This supports this show we tearn through observetion and imitations However this may not replied ned life learning as it was conducted in a les which is a ortificial environment therefore reducing the ecclosing volidity An alterative explanation comes from Frend, who would Say that the reas almost the rane amount of people in the two group ignored the letter as those who pertent it is due to cothersis. A they didn't play a violent charactes fre, went able he dis place and ary aggressia meaning they were a wilhely to pick up the lette. However this is a fairly wech explanation as it doesn't explain why mak of the people in the villar group that would have experienced Cothosis still ignored the letter. Orecli, social learning to theory is neg negli in explaining who more people who played theres picked up the letter. This means the findings have more applications in encouraging helping behaviour by making people dos ere made be made be



For part (a) this response was awarded 2 marks. The observed and calculated values are compared as appropriate and then an accurate justification of what this means for the study is made by the candidate. Part (b) was awarded 4 marks. The first mark (AO2) is for the idea of a participant observing, retaining the behaviour they saw in the video game to be used at a later date. A second mark (AO2) is given for the reproduction of the behaviour which is applied to the context appropriately. A third mark (AO2) is given for the idea of vicarious reinforcement which is applied accurately. The Bandura point is generic and needed to be linked to the scenario for credit. A final mark (AO3) was given for the use of Freud as an alternative explanation of the findings of the study, which was appropriately linked to the context.

Question 4

Q4 required candidates to evaluate the cultural and gender issues of the two compulsory studies named in the question. Overall candidate performance varied across the full mark range, with the majority scoring 2-12 marks (out of the 16 available).

The best responses focused on evaluating the cultural and gender issues of the two studies, with reference to their methods and implications for the real world. They used terms relevant to culture (e.g. ethnocentrism) and gender (e.g. androcentrism) appropriately and considered both studies with accuracy. The AO1 knowledge and understanding was accurate and thorough and the AO3 showed a well-developed and logical evaluation of both culture and gender issues for the two studies. There tended to be multiple accurate judgements throughout the essay which led on from logical chains of reasoning throughout. These responses gave a consideration to the methods, implications of the studies, and consideration of culture and gender regarding the participants and the researchers.

Weaker responses tended to give lots of knowledge and understanding about the two studies, almost offering rote learned versions of the studies, with little consideration given to the culture and gender issues which should have been the focus of the response. A lot of candidates focused briefly on the generalisability of both studies in terms of the participant groups, with varying degrees of accuracy.

4 Psychology is the scientific study of the human mind and behaviour. The findings of psychological research have been used to help solve major problems across the world. However, it has been suggested that the findings of psychological research may have cultural and gender issues.

Evaluate the cultural and gender issues of Sherif et al. (1954/1961) and Rosenhan (1973), with reference to their methods and implications for the real world.

(16)

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C1934/1961) Jendy I that all et his

part Cipans were made and all of the

a fee yame age group This limits the useful

new of the results due to the feet frat

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we are only able to apply the results

that were found to make of this we are

age group. and Because of this we are

also made to government the findings of

Then the study. However, again aless of

The gender was of the study it is still

Newable due to 15 objuty to be replicated.

Although the éthics of the study may

be questionable due to the lact that the

boy had confuct with eachother which may

have affected individuals in disherent

welly to offer.

Also the pathcipants that he used were all American therefore bringing cultural would av gender would into the equation. Decause of the cultural sumes within Thenthe study sample that he had used within his study the results he came out with will only be able to be generalized and applied towards 11-12 year old males from Amenca The validity of this experiment is also questionable due to the hast that the Kealistic Conflict theory was tested and proven however only within American males aged 11-12. Therefore we are ofill unoure as to wether the results would follow the vane pattern if the vample was a lot more diverse

Rovenhan et al (1973) parried out one of the

all time you aim way to test the neliability of the DSM powerer many more things were discovered. Roverhans study conjusted of prendopatients who were required to use a clostor and complain about hearing strange things etc. By doing this they were testing the reliability of the DSNI as this is what would have been used to diagnows them Calthough there was nothing at all the matter with the pseudopatients). It was proven that the DSM is unnevertee when all of the preudopatient (including Rosenhan himself were admitted into mental institutes. Daring in mind the symptoms they had whown were completely made up and nothing at all to do with mental health. However the pseudopations were admitted into a number of different mental institutes where they were able to see how patients live and were treated which ware was appauling. Kwenhan state The pseudopatients all stayed in the institutes for a given amount of time (however as soon as they were admitted they shopped showing any of their mentally ill symptoms yet will weren't allowed to leave, Rosenhan himself shafed that he felt as phough & they would only let you

when it had gone, However all of the patrons eventually were released and so were the results from the chedy. he entire whidy had a very diverse Vample of prendopations therefore there no geneler wues within this shudy: however Kovenhans pseudopatients were only admitted into institutions around the USA however this was across the entire country therefore the orady is actually generalizable to the whole of America and not Just a hew whates however were are unable to generalize It and apply the results to the rest of the world.



This response was awarded level 2 - 5 marks overall.

The candidate shows knowledge and understanding (AO1) of the methods of the two studies, but offers little consideration to AO3 in terms of evaluation, interpretation, analysis of culture and gender issues. There is no consideration of the implications for the real world of either study. The response most closely fits level 2 as the AO3 produces statements with some development but this is not developed enough to satisfy the level 3 requirement. There is a weighting towards AO3 on this question (AO1 6, AO3 10), so therefore this response was pushed down to the bottom of level 2 due to the AO3 being so weak in comparison to the AO1.



Candidates need to focus on the question given and not reproduce rote learned responses - which in this case was knowledge and understanding of the two studies.

Question 5

Q5 required candidates to evaluate how far the biological approach can explain human behaviour, such as that given in the scenario/context in the question. Overall candidate performance varied across the full mark range, with the majority scoring 0-8 marks (out of the 12 available).

This question assessed AO1, AO2, and AO3 so required knowledge and understanding of content or ideas candidates had learned during biological psychology / the biological approach, then to apply their ideas to the scenario, with analysis, interpretation, and evaluation of the content offered, leading to judgements and conclusions.

The best responses gave accurate and thorough knowledge and understanding of content from the biological approach, which was applied in a sustained way to the scenario/context given in the question. The candidate gave well-developed evaluative points to support or refute biological psychology as an explanation of human behaviour, with a link back to the scenario/context given in the question.

Weaker responses gave brief statements, of varying accuracy, from biological psychology with an attempt made to apply their ideas to the scenario. Very frequently candidates with weaker responses made no attempt to evaluate so made a limited attempt at addressing the question.

The most common ideas used from the biological approach were evolutionary theory, the influence of neurotransmitters, hormones, brain function or structure. Candidates commonly used learning theories (e.g. SLT) and personality theories (e.g. Eysenck) when using alternative explanations.

5 Companies that enable people to meet potential romantic partners are becoming increasingly popular. Some companies include a series of questions during registration that assist them in recommending which people are a potential 'match'.

Mandy decides to use a company to meet a potential romantic partner and is recommended a number of 'matches' who have similar interests. Mandy's mother disagrees with this approach and tells Mandy that romantic relationships are purely biological in basis.

Evaluate how far the biological approach can explain human behaviour such as meeting potential romantic partners. You must make reference to Mandy's situation in your response.

(12)

The being call approach sugarns mut out our
behaveur i a renut et our birogy, suen ou hermente,
brown ownitive and gener when may all be used to
elopieur behowier auch ou meeting romaintel partners.
duch an apprease is tring on the ordinate neutre in
the norther must be about .

One penusu explanation # 10 meeting randomtee parties i eventues. This is the one west our gener out pointd again went our parents and every with new roll occurrent uning that exported ene could argue that wounded meet remainte pointer to execut that their opened are pointed on to attopring without meeting onch part new itell gener would all out because they would not be own to born them on There is not a supporting welling the terms when at nowal sentien and ou were power and kutterien yet bun and inaukuton reput to be non approprient evoluciono trat when new ten theatened in a recontrolling they give into their tempor and out threatening son and other more. This theretere provided evidence ter the fort that meeting consente pointen i au to evalution melling manouis mother is accurate in caying that remember recovered number none a biological being. duen an exonounation is organal to be nigned or ouble and as using et noutil ou selletien a nielly a webite in the quentitie community rutionin it is returned by erectionent who would argue that Grow mover humour the best they could be meaning we hewent would through unrived at the title. And the potential explanation of behaviour and our mening remarked pointed is brown autiture / turitioning our an experience of numers benowler in highly

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tourd exercice to angount their aggression is a result
et brain utrustius in a group et 41 mars : because
et apremautie et functioning in the premontal conces
when is repositore ter requiering behaviour and the
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suggest that behaviour is a result of biology transect
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execution which can expecus consounce recontrements
through the head to create oftipping to pun apenly
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This response was awarded level 2 - 5 marks. The AO1 knowledge and understanding is brief with some at the beginning of each idea presented and also some regarding Raine on page 2. There is AO2 application to the scenario/context at various points (mostly on page 1, but some on page 2 and a tiny bit on page 3). There is an attempt at evaluation with some on Raine (page 2) and use of correlational research (on page 3). Overall the AO2 and AO3 kept this in the middle of level 2, so 5 marks were awarded.



If candidates are asked to 'evaluate' for 12 marks all three AOs are being assessed, so candidates should include AO1, AO2, and AO3 in their response.

Question 6

Q6 required candidates to assess the extent to which psychology could be considered a science. Overall candidate performance varied across the full mark range, with the majority scoring 2-16 marks (out of the 20 available).

The best responses offered accurate and thorough knowledge and understanding of the features of science and content from their course. Examples used were relevant to the scientific feature(s) being assessed and had specific detail which was accurate. The analysis, interpretation, and evaluation was well-developed with a range of content from different topic areas being judged by a variety of features of science. There were clear judgements made throughout the essay which considered the significance of the different ideas presented and the essay had a logical chain of reasoning throughout.

Weaker responses gave a limited number of features and were generally repetitive, judging different psychological theories with the same features. Examples used were sometimes inappropriate for the feature or unsuitably judged. The content used was more generic and vague and did not have the specific detail and accuracy that the stronger responses contained.

A wide variety of features of science were commonly used by candidates, but some were only used by the stronger responses in an appropriate way. The stronger responses tended to have a more able grasp on falsifiability, the hypothetico-deductive approach, empiricism, and the idea of paradigms. Most common features were control, replicability, and objectivity vs. subjectivity.

6 Assess the extent to which psychology could be considered a science.

	(20)
sciences es ane considered to be test	be and
Lane a valid and reliable meshod	
that can be exclused and reproduce	
can be based on the idea of hearth'cas	ha to test
If something can be prousen to be so	
Someames in Asychology 101 exam	pu sherit
el al te poduced poplar care his	
realist contict theory, but ciming	
Bake necessarce of his theory, Bus	
This is considered unscientific es in	
research don't aim to see it their	

car se dispralla but intul misearch to praise"
theory.
However many Idb expenses to are used
win which have strict control one excertanced
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replicated to see it similar results will be produced
making psychology mene scientisc as results
con be easily replicated.

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not be valid as of the in social psychology
such method such as question ruines an self
report data are cuted to collect data which
can be affected by demand characterins
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This response was awarded level 2 - 8 marks.

The AO1 knowledge and understanding shown by the candidate is mostly accurate (there are some inaccuracies). The AO3 is mostly generic and there are some judgements made by the candidate. There are a range of features of science covered by the candidate, but the arguments lack the development required for level 3. Overall this was moved to the top of level 2 due to the range of features so it was awarded 8 marks.



Candidates need to use specific ideas and show development in their arguments to reach the higher levels for these extended open response questions. There are more marks available for AO3 in this 20 mark 'assess' essay so candidates need to demonstrate more analysis, interpretation, and evaluation of the topic being assessed in addition to accurate and thorough knowledge and understanding to be awarded the top levels.

Paper Summary

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

- Fully operationalise all variables when formulating a hypothesis.
- Read the questions carefully and identify the information that is required.
- Apply all ideas in research methods (and any individual points) to the context/scenario if one is provided in the question. Avoiding generic statements will increase candidate performance in particular in this section of the paper.
- Carefully read essay questions to establish the correct focus of the question. If the
 question is asking about gender and cultural issues in reference to two studies (as with
 Q4) then the focus should be on the cultural and gender issues with the studies being
 analysed and evaluated as necessary (the AO1 knowledge should not therefore just be
 rote learned statements that a candidate can recall about a study with no reference to
 the focus of the question).
- Evaluate questions for 12 marks; assess all three AOs so candidates need to use AO1, AO2, and AO3 material in fairly even proportions to reach the higher levels. This can be achieved with logical chains of reasoning with AO1-AO2-AO3 chains where appropriate.
- In 20 mark extended open questions there is an opportunity for stretch and challenge
 for candidates to show what they have learned during the whole A-level course.
 Candidates do need to retain focus in these questions though as it can appear at times
 that the candidate is writing everything they can remember, rather than forming a
 coherent well-developed essay which has a focus on the demands of the question being
 asked.

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





