

Examiners' Report June 2022

IAL Psychology WPS02 01



Edexcel and BTEC Qualifications

Edexcel and BTEC qualifications come from Pearson, the UK's largest awarding body. We provide a wide range of qualifications including academic, vocational, occupational and specific programmes for employers. For further information visit our qualifications websites at www.edexcel.com or www.btec.co.uk.

Alternatively, you can get in touch with us using the details on our contact us page at www.edexcel.com/contactus.



Giving you insight to inform next steps

ResultsPlus is Pearson's free online service giving instant and detailed analysis of your students' exam results.

- See students' scores for every exam question.
- Understand how your students' performance compares with class and national averages.
- Identify potential topics, skills and types of question where students may need to develop their learning further.

For more information on ResultsPlus, or to log in, visit www.edexcel.com/resultsplus. Your exams officer will be able to set up your ResultsPlus account in minutes via Edexcel Online.

Pearson: helping people progress, everywhere

Pearson aspires to be the world's leading learning company. Our aim is to help everyone progress in their lives through education. We believe in every kind of learning, for all kinds of people, wherever they are in the world. We've been involved in education for over 150 years, and by working across 70 countries, in 100 languages, we have built an international reputation for our commitment to high standards and raising achievement through innovation in education. Find out more about how we can help you and your students at: www.pearson.com/uk.

June 2022

Publications Code WPS02_01_2206_ER

All the material in this publication is copyright

© Pearson Education Ltd 2022

Introduction

Candidate entry increased for the May 2022 series, so a wide range of responses from candidates were seen.

Application for AO2 responses was an area that remained difficult for candidates with answers often being generic.

Long answer questions remain challenging with candidates often lacking detail either in their knowledge and understanding or with their ability to develop their arguments for the AO3 element which often limited the marks to the lower level mark bands.

Question 1 (a)

This was usually answered well. Most candidates referred to environmental cue regulating biological rhythms. In some answers, biological rhythms were not referred to.

(a) Define what is meant by the term 'external zeitgeber'.

(1)

An environmental que that synchronises a biological rythm.



This response gained 1 mark for a clear definition that the environmental cue helps synchronise biological rhythms.

Question 1 (b)

Candidates had to demonstrate AO1 and AO3 to explain two strengths. The most popular strength was Siffre's study.

Good answers were able to identify two strengths, but only the very best went on to justify those strengths. Weaker answers often described external cues and their effects on the sleep-wake cycle. A minority of answers did not focus on the sleep-wake cycle.

(b) Explain two strengths of the role of external zeitgebers in explaining the regulation of the sleep-wake cycle.

1 Siffre's (1972) study where he went ento hiding for 6 months, without any external over such as light, proves in the absence of cycle increased

et al (2006) found mice with a rare circadian clock gene, ferent times neir Sleep-wa that light is na the slee (Total for Question 1 = 5 marks)



This response gained 3 marks.

1 mark for the first strength for identifying the results of Siffre's study. There is no explanation of why this is a strength so it cannot get the second mark for the justification/exemplification.

2 marks for the second strength. 1 mark for identifying the results of Zhang et al. study. 1 mark for the explanation that it proves that light is important in the sleep-wake cycle.

(b) Explain **two** strengths of the role of external zeitgebers in explaining the regulation of the sleep-wake cycle.

(4)

1 The external rietgebers play a major role in the
Menstoral cycle 16 Leips in synchronising and
regulating a woman's Henstural cycle.
«««»»»»»»»»»««««««««««»»»»»»»«««««»»»»»»
««»»»»»»«««««»»»»»«««««»»»»»»»««««««««
2 Tre external wetgbers also Leip in regulating
and synctronising someone's sleep cycle.



This response did not gain any marks as the first strength is not focussed on the sleep-wake cycle and the second strength is describing the role of external zeitgebers.



Read the question carefully and ensure you are answering the question that is asked.

Question 2 (a)

Most candidates were able to write a null hypothesis to gain at least one of the AO2 marks. However, very few answers were full operationalised with most failing to operationalise the dependent variable. Weaker answers failed to operationalise either the independent variable or the dependent variable.

- Harrison conducted an experiment into the effect of antidepressants on people who had seasonal affective disorder. He allocated his participants into one of two different conditions.
 - Condition A: Given antidepressants.
 - Condition B: Not given antidepressants.

Harrison asked all the participants to record their mood in a daily diary for a month. He used a rating scale from 1 (happy mood) to 7 (low mood). When he had collected the data, Harrison then calculated an average mood score for each participant over the month.

(a) State a fully operationalised null hypothesis for Harrison's experiment.

There is no significant difference betwin mood score recorded in a daily drany for a morth by Who were given antidepressants and those who were



This response gained 2 marks for a fully operationalised null hypothesis that mentions the two groups, on antidepressants, or not, for the independent variable, and the mood scale from 1-7 for the dependent variable.



When asked to write an operationalised hypothesis, ensure that both the independent and dependent variable are fully operationalised.

(a) State a fully operationalised null hypothesis for Harrison's experiment.

There is no significant difference between those who received antidepressants and those who were not given, on the average mood score for each participant in Harrison's experiment over the month.

(2)



This response gained 1 mark as the null hypothesis is partially operationalised – as how mood is measured is not operationalised. There should be reference to the scale of 1-7.

Question 2 (b)

Most candidates could correctly calculate the mean.

Question 2 (c)

Most candidates could correctly identify the median.

Question 2 (d)

Only the very best answers demonstrated an understanding that the standard deviation showed the spread of scores and were able to use this understanding to explain what the two standard deviations demonstrated.

Good answers were able to gain a mark for identifying the difference in the standard deviations. A large number of answers failed to gain any marks as they wrote about the standard deviation showing which group had the highest mood score.

(d) Harrison calculated the standard deviation for both conditions. The standard deviations are shown in **Table 2**.

Standard deviation for condition A:	Standard deviation for condition B:
Participants were given	Participants were not given
antidepressants	antidepressants
1.03	1.21

Table 2

Explain what the standard deviations show about Harrison's results.

PARKIPANTS THAT WERE NOT GIVEN ANTBEPRESSANTS

SCORED HIGHER THAN THE PARTICIPANTS THAT BY

WERE GIVEN ANTIDEPRESSANTS.

(2)



This response gained 0 marks.

There needs to be some link to standard deviation. From this answer, we do not know what the participants scored higher in. It is lacking detail.

(d) Harrison calculated the standard deviation for both conditions. The standard deviations are shown in Table 2.

Standard deviation for condition A: Participants were given antidepressants	Standard deviation for condition B: Participants were not given antidepressants
1.03	1.21

Table 2

Explain what the standard deviations show about Harrison's results.

(2)

of the dara in condition B moun that parient who and not have an deprenent had a tour mood more that deviated more pour the overage while condition A deviated less



This response gained 1 mark for identifying that those who did not have antidepressants deviated from the average more than those who did have antidepressants.

There is no further explanation so the response cannot get the second mark.

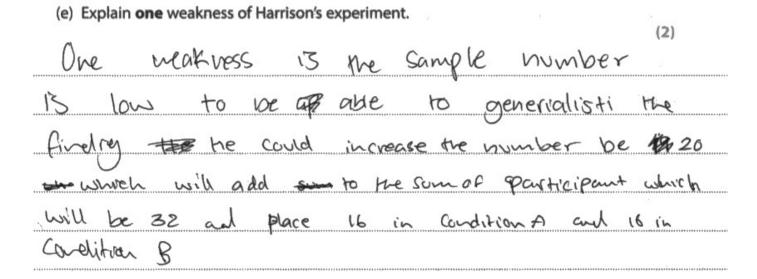


For 'explain' questions, remember to include the justification or exemplification for the second mark.

Question 2 (e)

This question required candidates to apply the context to gain an AO2 mark for identifying a weakness and then go on to justify/exemplify this weakness for the AO3 mark.

The very best answers were able to do this. Some answers were able to gain the AO2 mark as they were able to identify a weakness, but they did not go on to justify why this was a weakness. Weak answers often did not gain any marks as they did not apply their answer to details from the context.





This response gained 0 marks as it is generic.

There is no specific link to the scenario. Condition A and Condition B is not enough to get the application mark.



When answering an application question, always include details from the context given.

(e) Explain one weakness of Harrison's experiment.

(2)

Hamison did not screen the participants to therapy at putor or dunna Participants when in condition A may be receiving light therep true effect of the antidepressa



This response gained 2 marks.

1 mark for identifying that Harrison did not screen his participants to see if they were getting light therapy.

1 mark for explaining how the mood score may have been due to light therapy, so the results may reflect the true effect of antidepressants. There is a clear exemplification of the weakness in this answer.

Question 3 (a)

This was a 'describe' question where candidates gained AO1 marks for describing the results of Raine et al.

The very best answers were able to gain three marks for describing three different results from the study. However, a lot of answers were list-like with no further description of the results, so limiting the marks they could gain.

(a) Describe the results of the classic study by Raine et al. (1997).

(3)

earned activity in the perportal coetex which is larger and conversed with judgment and decrease warm taking their also prind a lack of activity in the corpus collowing warming there was seen communication between heringholes than course group. Those was also increased activity in the occipient the holes which costs processed activity.



This response gained 3 marks for three clear results from the study that are described and not just listed.



When answering 'describe' questions, candidates should give an account of something with the statements needing to be developed.

Candidates should refer to the taxonomy of terms throughout their studies, so they know the requirements of different questions.

Question 3 (b)

Candidates were expected to identify a strength and weakness for the AO1 marks and then justify or exemplify why they were a strength or weakness for the AO3 mark.

The best answers were able to do this with the most common strength being the matching of the control group to the NGRIs. The most common weakness were issues with the sample.

A lot of answers were able to identify a strength and a weakness, but failed to gain the AO3 mark through a lack of justification/exemplification. The weakest answers were generic with no reference to details from the study in question, and could have referred to a variety of studies.

(b) Explain one strength and one weakness of the classic study by Raine et al. (1997). (4)

Strength

The control group was closely matched to the participant group in that the control group consisted of 41 people of the same gender and similar age and consisted of 6 schizophrenic patients to pair with the 6 schizophrenic murderers. This eliminated any participant vanables that could have come about, thereby making the findings Valid-

Weakness

The findings of the study was not generalizable as the participant group consisted of only murderers and only 2 females. This means the sample was not representative of other offenders and female offenders.



This response gained 4 marks.

2 marks for the strength. 1 mark for identifying that he matched the control group on age gender and schizophrenia and 1 mark for the elaboration that this eliminated possible participant variables so the experiment is more valid.

2 marks for the weakness. 1 mark for identifying that it is not generalisable as the sample consisted of murderers and only 2 females and 1 mark for the elaboration that it is therefore not representative of other offenders and female offenders.

Question 4 (a)

The requirements of this question were AO2 marks, so the answer had to be applied to details from the context throughout.

Most answers were able to gain a mark for describing how the aggression score could be collected, but only the best went beyond this describing how the cortisol could be measured and including other procedure points such as how the sample could be collected and linking it to the scenario.

Answers often failed to describe how the cortisol score could be measured, and just repeated the stem. Some answers described an experiment rather than a correlation, and some answers measured other hormones rather than the cortisol referred to in the context.

- 4 Meryl has decided to carry out an investigation to determine whether there is a relationship between hormones and aggression. She gathered 13 participants through volunteer sampling. Meryl measured the participants' cortisol levels and how aggressive they had been over the past week.
 - (a) Describe the procedure Meryl could have used for her investigation.

Meryl should split the participants is to two groups

Flor which one group shall be administered with

hormone blockers and the other at group isn't.

By doing so over a period of four weeks Meryl

should record to the approsioness of purithe group

administered with hormone blockers oppose to the

group to not administered with hormone blockers to

see the termine to difference in the payerssion

due to the a Change in hormone lovels.



This response gained 0 marks as they are describing the procedure of an experiment, not a correlation.



Candidates should focus on the question asked in their answer.

(a) Describe the procedure Meryl could have used for her investigation.

cortisol ask the participants'



This response gained 3 marks.

1 mark per paragraph which is clearly describing the procedure of the study with each paragraph clearly linked to details from the context.



For application questions, candidates should link each sentence to details from the context.

Question 4 (b)

The best answers were able to correctly identify if the correlation was significant and then use the critical values table to justify their answer.

Some answers failed to get the justification/ exemplification point. Some answers demonstrated an inability to use critical and calculated values to determine significance.

(4)

Question 5

This essay required candidates to demonstrate their knowledge and understanding (AO1) and then apply that to the context (AO2).

There was some good knowledge and understanding of how different brain areas were related to aggression, with the best answers being able to then apply this to different aspects from the context as their discussion.

The best answers gave accurate and thorough knowledge and understanding and well-developed discussion. A lot of answers only partially developed their discussion. Some candidates put AO3 in their answer which was not creditworthy. The weakest answers showed limited knowledge and understanding, sometimes repeating the same point, with little or no reference to evidence from the context, often just using the name with no further details.

5 Sylvester has lost his job as a security guard at a shop due to his aggression. He had previously been verbally aggressive to customers, and in the latest incident kicked a customer after he had thrown them out of the shop.

Sylvester is currently single. His last relationship ended after he shouted at his partner. He has been banned from watching his local football team after he was involved in a fight with supporters of a rival team.

A01 - 4 Discuss how brain functioning could account for Sylvester's aggression. A02-4

You must make reference to the context in your answer.

(8)

Sylvester might have damaged 115 mainly pre frontal the brain cortex management, impulse coordinates anger ones problem SKINS. and customers KICKING 10 the 0+ the damage be because pre frontal cortex.

the 10 Also damages right causes amygdala person the 01 negative emotions. This the reason might be Shout at Sulvester 215 end relationship. Damages to 10wer WILL side proces Sylvester's the maker descision making and abilities.

the part of 15 Also the Amygdala cmotions that controls brain such as fear. Damages amygdala can reduce uniawful for fear one's supporters of the rival team might the with

of fear for lack happen because amygdala the hypothalamus is another aggressive Hypothalumus mainly controls which is responsible such as kestesterore. So in the tootes and will be produced -rone release from the adrena, more testesterore 40111 gland. Therefore, Sylvester might have been aggressive and as a consequence aggressivness he might have concluision, damages to the pretronta damages to the amygdala a hypothalumus more aggressiv caused Sylvester



This essay gained Level 4 – 8 marks.

The AO1 is accurate and thorough, given the time limit so it is Level 4. There is a description of how the prefrontal cortex, the amygdala (twice) and the hypothalamus affect aggression.

The AO2 is also Level 4. It is well developed from the AO1 points so it is logical. There is an awareness of competing arguments coming from the different parts of the brain and the application is sustained.

Question 6 (a)

The best answers were able to gain at least 1 mark for describing the role of the unconscious with the most common answers being related to hidden desires.

Very few were able to gain the second mark. Many candidates failed to answer the question, stating what the unconscious is, rather than its role or using the term unconscious again without describing what that was.

(a) Describe what is meant by the 'role of the unconscious' according to Freud.

(2)

Unconscious is the later part of our conscioueness The is where we the unknown to are kidden and and memories are hidden and which is also unacceptible to individuale & during normal daily Life Scenarior. It can be analyzed through dream malyrir where it may show up right in our dreams according to sigmond Freud.



This response gained 1 mark for 'it is where the unknown side of our memories are hidden which are inaccessible'.

The rest of the answer is not focussed on the role of the unconscious.

Question 6 (b)

Candidates were required to identify a strength and a weakness for the AO1 mark and then justify/exemplify this for the AO3 mark.

The better answers were able to gain the AO1 marks, but often failed to gain the AO3 marks. A lot of answers simply described a part of the theory for the strength. There were a lot of incorrect answers such as writing that it was only based on one study.

(b) Explain one strength and one weakness of Freud's psychosexual stages of development.

(4)

Strength

it can explain why some children are very orally
fixated, meaning why they are always sucking on their
thombs, pacifics or toys, as the oral stage of
Freud's psychosexual stages of Jevelopment suggest that
ehildren aged 1-2 reviewe sexual pleasure from oral
stimulation and hold on to these habits.

Weakness

the entire theory lacks any scientific rigor, valid research or objective evidence it is entirely based on Freud's psychoanalysis of himself and his patients, some of whom had suffered childhood sexual above from their parents, which he manipulated to fit his baseless theory which no evidence can vauch for other than his own interpretation.



This response gained 1 mark.

No marks for the strength as this is just description of the theory. Saying it can explain then describing oral fixation is not a strength.

1 mark for the weakness for identifying that it lacks scientific rigour, valid research or objective evidence. No marks for the exemplification as it is not entirely based on Freud and his patients. There has been plenty of other research done on it, and there is no explanation about why his own interpretation may be an issue, so this is not enough on its own.



Make sure any statements written in answers are correct.

Question 7 (a)

The best answers were able to describe how a random sample could have been collected with reference to details from the context, with the very best being able to add a further descriptive point to gain the second mark.

A lot of answers were generic and did not add details from the context so could not gain the AO2 marks. A few answers confused random sampling with opportunity sampling.

- Sigourney conducted an observation to see if positive reinforcement led to children reading more at home. She used a random sampling technique to collect her participants from one village. Sigourney allocated the parents and children into one of two different conditions.
 - Condition A: The parents praised the children every time they sat down and read silently.
 - Condition B: The parents did not praise the children when they sat down and read silently.

She recorded parents and children interacting during their reading time at home for a week. Sigourney then watched the recordings at a later date.

(a) Describe how Sigourney could use a random sampling technique for her observation.

(2)

the could randomly select the people she was going to observes so as to not give anyone any heads up, she could put an their names in a hat and put them out at random.



This response gained 0 marks as it is not linked to the scenario.

There needs to be something more from the context. Saying she could randomly select the names would not get the mark even if it was linked as there is no description of what randomly selecting means/is.



When answering application questions include specific details from the context.

(a) Describe how Sigourney could use a random sampling technique for her observation.

(2) Sigourney all names of the could get into pieces of paper Could VIIIage children the and soffle it. could basketa Then into She randomiy 11 select papers the basket. about 30 from

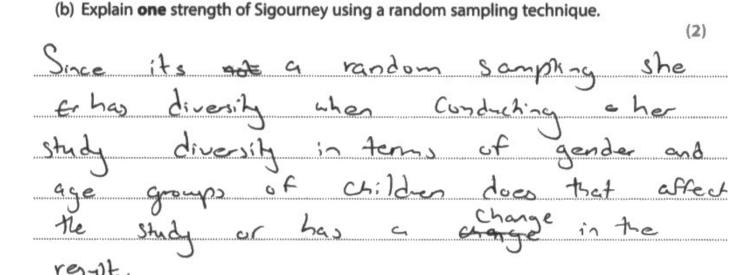


This response gained 2 marks for describing how she could use a random sample as it is clearly linked to the context by referring to the children in the village.

Question 7 (b)

The most popular strength was related to the representativeness of the sample.

The best answers were able to identify the strength in relation to the context, with a few being able to justify/exemplify the strength. There were a lot of generic answers with no reference to details from the context. A few answers gave a strength of another sampling method, often opportunity sampling.





This response gained 1 mark for identifying the strength that she will have diversity in the gender and age groups of the children.

There is no exemplification, so no further marks.



For 'explain' questions, always include a justification/exemplification for the AO3 mark.

Question 7 (c)

The best answers were able to identify an improvement to the sample in relation to the context and then go on to justify/exemplify why this would be an improvement.

Some answers were able to gain the AO2 identification mark, but then went on to write about a weakness of the sample rather than explain why it would improve the sample. A lot of answers were generic.

(c) Explain one improvement Sigourney could make to her sample.

(2)

Signery Cold how word multiple villages for exemple signery's sample was antiden and from an willage. In order to get a more representative sample the signey would have gone to the or more vilvages which wall made has triviaged for painty of positioner representation and led to wildness eventually made at home more generalistic.



This response gained 2 marks.

1 mark for identifying that she could have gone to multiple villages and 1 mark for the exemplification that this would have made her results on the effect of positive reinforcement on reading more representative so more generalisable.



When writing about an improvement for the AO3 mark, candidates should focus on explaining how the improvement would improve the study, not what a weakness of the study is.

(c) Explain **one** improvement Sigourney could make to her sample.

(2)

she could have made sure the children where of a specific ages so that they can see now each ages parent treat them.



This response gained 0 marks as the study was not looking at how parents of different aged children treat them, so this would not be on improvement on the study that Sigourney conducted.



When writing about an improvement to a study, candidates should not change the reasons for the study.

Question 7 (d)

The most popular weakness was related to the subjectivity of the qualitative data, with the best answers being able to link this to details from the context.

Only the very best answers were able to gain the AO3 mark for justification/exemplification of the weakness. Again, there were a lot of generic answers with no reference to the context beyond putting in the name.

Sigourney also collected qualitative data. She wrote down what the parents said to their children when they praised them for reading. Sigourney did not collect any data from other sources.

(d) Explain one weakness of Sigourney using qualitative data for her observation.

(2)

The qualitative data (an be inaccorate as

parents may know that their children are
being observed so they change their behaviour so

may provide additional praise due to demand characteristics

This may affect the results of the study



This response gained 0 marks as it is a weakness of the observation, not of using qualitative data.



Candidates should read their answer to ensure it is answering the question that is asked.

Question 7 (e)

The best answers were able to identify an improvement to the gathering of qualitative data in relation to the context and then go on to justify/exemplify why this would be an improvement.

Some answers were able to gain the AO2 identification mark, but then went on to write about a weakness of the qualitative data rather than explain why it would improve the qualitative data.

A lot of answers were generic. Some answers changed the research method rather than focussing on how to improve the collection of qualitative data.

(e) Explain one improvement Sigourney could make to how she collected her qualitative data.

(2)

Intead of withing down response the could have and



This gained 0 marks as it is not related to the context. Also she did video record the data as stated in the context at the start of the question.

(e) Explain **one** improvement Sigourney could make to how she collected her qualitative data.

Sigourney could've called upto 2-3
friends to take part in the observation
& write down what the parents
Said to the children, increasing
inter-rater reliability as Sigourney
could compare the her findings with
her friends. (Total for Question 7 = 10 marks)



This response gained 2 marks for clearly identifying an improvement in relation to the context and then clearly justifying why this would improve reliability.

Question 8 (a)

Most candidates had a good understanding of systematic desensitisation, with the best answers being able to give four descriptive points of the process with each point being linked to the context.

Most answers were able to gain at least one mark for description of working up the hierarchy but failed to describe anything else. There were a lot of generic points within answers which limited the marks the candidates could gain.

- Patricia is scared of beards. Her new boss has a beard and it is affecting her ability to do her job. She has decided to try systematic desensitisation to reduce her fear of beards. Patricia goes to a local therapist.
 - (a) Describe how systematic desensitisation could be used with Patricia to reduce her fear of beards.

Systematic demensitation involves the patient areating a merachy from the least peaced item to the keep most peared item. Pears Firstly, Patricia needs to form a bond of trust between her and the therapist. Then she would greate a hierarchy with the assistance of the menapost. For examp could look at a carroon man with a beard, men a proture of a man beard and then fivally a man with a beard. Through Putricia would start associationa from protection Calinness win beards raine Man



This response gained 2 marks.

1 mark for the example of the hierarchy clearly linked to the fear of beards and 1 mark for the last sentence.

The first few sentences do not gain credit as they are not linked to the context beyond stating her name.

(4)



For an application question, candidates should apply every point to the context.

Question 8 (b)

The most popular weakness was that it failed to look at the reasons for the phobia, with the best answers being able to link this identification to details from the context and then go on to justify/exemplify their answer.

Some answers were able to gain the identification mark, but failed to gain the AO3 mark. Some answers were generic and did not refer to details from the context.

(b) Explain one weakness of using systematic desensitisation to treat Patricia's fear

of beards. (2) 17 MAY RAISE ETHICAL QUESTION BECAUSE IT CAUSES ANXIETY AND ST FEAR OF RARTHE PATIENT



This response gained 0 marks as it is not linked to the context.

(b) Explain one weakness of using systematic desensitisation to treat Patricia's fear back to of beards.

ber few reparse with colonies und published

Concludently of the place of blands at her

unconorious Conflicts with her father many resurface
and the feeling of cophersis may get rid of her produce and
improve her relevants where hose. (Total for Question 8 = 6 marks)



This response gained 2 marks.

1 mark for identifying that psychoanalysis may be a better treatment for her phobia of beards as her unconscious conflicts may resurface and 1 mark for the exemplification that catharsis may get rid of her phobia and improve her relationship with her boss.

The best answers were able to gain 3 to 4 marks for a clear description of the results from the study, showing good knowledge of the study.

Some answers did not focus on the results, but also described the aims and procedure or conclusions so limiting the number of marks they could get. A few answers gave little detail and needed to be clearer on what the actual result was.

- In your studies of learning theories and development you will have learned about the following classic study in detail:
 - Watson and Rayner (1920).

Describe the results of the classic study by Watson and Rayner (1920).

Little Albert would cry and try to crow! away the white rate that he had previously reached forward pre conditioning. Little Albert would display format with items that were similar to the white white rabbib. When the context/environment in which experiment was done was changed the fear dissimilar from the conditioned stimulus no fear reaction



This response gained 3 marks.

1 mark for the first sentence about crawling away from the white rat.

1 mark for the second sentence that he showed fear when presented with similar objects to the white rat.

1 mark for the third sentence that when they changed the environment, he still showed fear of the white rat.



For 'describe' questions, candidates should look at the number of marks available and describe that many points.

This essay required candidates to show knowledge and understanding (AO1) and assessment (AO3).

The best answers were able to demonstrate good knowledge and understanding of social learning theory, however a lot of answers gave the terms but offered very little knowledge and understanding of what those terms meant.

The most common study used for the assessment was one of Bandura's studies, however only the very best answers offered more assessment beyond this. A minority of answers confused social learning theory with either classical or operant conditioning.

Social learning theory suggests that we learn through
imieakon
Social Learning theory euggest that if we I cloudity with
the target ey = arove model we are more unery to
reproduce more behaviour by vivarious remportament.
Social Leurning theory suggests that People gothwardn
attention reproduction and motivation to imitate
Behavour.
Smalles such as Bandura convey that Uniden are more likely
to imitate the gender they mostly identify with
2 William Led
one strength of social learning theory (SUI) i'n relation
numan behaviour would be evidence from bobo doll
experiment. For exciriple Bandura had demonstrated a
adult hitting of Dobo doll with vanious items, children when
had a chance, then imitated what we aduts didwnen
Hittin in a room with the doll. This is aswength as it tends
support \$0 SLT as it snows that Children alremore likely to learn
through imitation, therefore increasing Wed/pluty of SLT in explains
human behautur
However a weak news of the social sit in explaining human
bohaviour would be that it lacks full explanation. For example
Banduras SIT suggests that behavior is rearnt by imitation havever
We leave produce behavior that we have never soon before.

such as children or buby sucking a dummy. This can be soon as a weakness of sixual learning theory as it doesn't explain how for A DEPONDUR IS LE HOVY DEHONDUR IS RECURT WHEN WE POWERE BOOK EXPORTE TO It mere fore decreasing The validity of SLT, us an explanation for ruman behaudur

Another strength of social Learning theory (SLT) would be show there are practical application. For example SLT has helped the understanding of why wildren copy adults and how they beam to do a certain behaviour for example crime and stealing. This is a Strongthus it can help to devolop intervancion for children who may have been bought up in acriminal hause, undust Them to Learn better behaviours with use of new role models. This is a strongth becomes the practicalty of set as an explasation tor minam bancular.

Another everyers of SLT would be that there eve othe rexplanations Clustical conditione for peracour. Ter example fraced suggested mad children learn though association and that we pair the Number stimules With a unconditioned stimulus and over time learn a response. This can be seen as a weakness of sowal learning Theory as it doesn't take into account other ways in which herewiovices be Leart/aggulea therefore decreasing the validity.

In conclusion social learning theory can be soon as a explanation for human behaviour due to evidence in research girls it wedinisty have does act seem to be Full explanation as other theoret Total for Question 10 = 8 marks) suggest that social rearring is not the only way behavour is explained.



This response is Level 3 – 5 marks.

The AO1 is limited so Level 1, as it gives terms used with social learning theory, but does not show any knowledge or understanding of what those terms mean.

The AO3 is Level 4. There are well-developed, logical assessments with competing arguments and a balanced response. There is assessment throughout the AO3 in terms of whether social learning theory can explain human behaviour and a balanced judgement is presented.

As it is Level 4 and Level 1, the response could go into the bottom of Level 3 or the top of Level 2, so it went at the bottom of Level 3.



For knowledge and understanding, do not just name terms. Show knowledge and understanding of what those terms mean.

This essay required candidates to demonstrate knowledge and understanding (AO1), apply it to the context (AO2) and evaluate (AO3).

The best answers showed good knowledge and understanding of classical conditioning and were able to apply it to relevant evidence from the context throughout their answer. They were also able to develop mostly coherent chains of reasoning showing a grasp of competing arguments for their AO3 with the best applying this to the context.

Quite a few answers confused different components of classical conditioning such as what the UCS (unconditioned stimulus) and NS (neutral stimulus) were. Weaker answers often just used the terms, but failed to demonstrate knowledge and understanding of what they were and offered evaluative points that were partially developed.

11 Michelle is scared of fireworks due to the loud noise they make. She has attended several parties at her friend's house where they had fireworks. Michelle has now developed a fear of her friend's house. She has also developed a fear of going to her grandparents' house as they live in a similarly designed house to her friend.

Evaluate classical conditioning as an explanation of Michelle's fear.

You must make reference to the context in your answer.

Standas Sen. 44. 34 (12)

Churcel conditioning Is learning trough association Or parmy of Findi, with could generate photolog tasse overstong. The unconditioned structus, which Is an emhamental prevocation that causes a reflex alter or automatic response intro cese 18 the land noise made by the fremany and the creater traved response is muselle's fear of he land sound France, a newfral stimulus 13 morally an environmental prevocation hat causes no regionse but after association with an unconellioned 87 milus, becames be conditioned 82 milus and Cantles a conditioned response. In this case, pe restral structus so procuelle's freed have with has been persell or associatellists fre meandswered stimulus of he land morse fremake make leading to her conditioned regione being fear of her frends hause. Moreover, 87 miles general Dadren has occured, which is when a strengered wen simlar offer not identical objects are present and the stroubs has

entaded to hose similar objects - In his age, inschale developed a fear of gong to her grandperent to house as A is degraned amely to her friends, and has two associated has feer of the land sound withher Grandperents horse as well Thilly discommedian is the opposite of thinly generaldedren water of when only movelles framels west caused he few, and not be grantgered house. Parlero expensest with his days proved deterced conditioning principles of the close states to salvate after being he sevel of a bell after It was parted and assocrated with food. He also found that the strainly of the bell sold be generalised to other sounds such as tappy on glass jar, course wir dogs to salving Watron and Kayner also famel that a probia can be clearcally corel Mored mo a 9-11 month old baby by assocration of the few of a hand noise to a write rat and tren other ornilar Sopelts sull as a Sara Hat arel cotton. Systematic desensition to a herapy formed cory principles of classical conalhamy used to "Counter - condition" a feer response that replace It with coloness, when proves cliented concerning ooks as a prhape. However, Toonzandelyan et al

Case North Late Classical conclusioning of Englandia
Chesene Wedson was newscort on Ris own and
Congress canboneel with asserted to the hold of the conclusion, it can be easily that classical

Conclusion, it can be easily that classical

photo as me studence so the since from

Asserted to feer can invite horse polar

friends horses, the approach is relictional
and close not take two accounts belogical

fra cord had may general for her feer

even as a poor finehory anyghala and

own according to room renolaly and challenges.



This response gained Level 3 – 9 marks.

The AO1 is Level 4 as it is accurate and thorough.

The AO2 is Level 3. Lines of argument are supported by relevant evidence from the context and this is integrated into the AO1, but is not sustained throughout the essay.

AO3 is Level 3. The arguments are developed and there is a grasp of competing arguments at the end of the essay.

Candidates were required to show knowledge and understanding of the two studies (AO1) and evaluate them in terms of ethics and reliability (AO3).

Candidates often showed a better understanding of Brendgen's study. The best answers focussed on the correct two studies and showed good knowledge and understanding and focussed their evaluation on ethics and reliability giving developed arguments.

However, in a lot of answers the evaluation points were partially developed. A large minority of candidates showed knowledge and understanding of the incorrect Skinner study so limiting their AO1 marks. Some answers did not focus on ethics and reliability and gave general evaluations of the studies limiting their AO3 marks. There are still some candidates who apply human ethics to animal studies.

- 12 In your studies of biological psychology and learning theories and development you will have learned about the following studies in detail:
 - Brendgen et al. (2005)
 - Skinner (1948) Superstition in the pigeon.

Evaluate Brendgen et al. (2005) and Skinner (1948) in terms of ethical considerations and reliability. Brandgen -401-8 A08-8 2 reliable (16)Bren dgen used 7W11 25 were sample. about social from them kindergarten. Before any 10 written their parents. which was study informed given consent BPS. SO ethical consideration in ethical. 10 Brendgen Also has the given at withdrawal worlght and for children study rate the Students who had aggression. So social study withdrawal There fore also BPS. which ethical. 13 et a1 Brendgen has used standardised proce dures such questionnane direct and scales

scales to gather information about physical and social aggression from the teachers about me roins in their class. So the study has been high in reliability so can be replicated to see for consistant results. Brengdon et al also used both children and the teacher's in the twins class to gather information to see whether they have consistant results. This increases the inter-rater reliability. Skinner which tested on superposition in the pigeon, used pigeons as sample. In this study he used & hungry pigeons. for we we don't know for book extent do these pigeons are suffering from hunger. so It is unethical to cause harm to the sample according to the BPS. ethical assues with Therefore skinner has narming the sample of the study. Also, by using animals in the experimen skinner can't give informed consent to withdrawal. to of This is because animals have different physiology and another from numans and they can't invoke reasons or think about their expenances. Therefore study lacks ethical considerations.

the snidy and the behaviour of the pigeons. Therefore the study is high in reliability because we can compare the results of gathered by the two observers to check whether they have consistent results.

In this experiment skinner used a skinner box which is empty except for the place that woo there to place the food for the pigeons when the reinforcing. The skinner boxes were all the same size.

Therefore, skinner has used standardised procedures as mentioned above. Therefore the shidy can be easily replicated and so the shidy is high in reliability.

In conclusion, Brengdon et al
had no ethical issues as not giving informed
consent or not providing the right to withdraws
whereas skinner's experiment had many ethical
issues. Considering about reliability both
studies were high in reliability such as
are to reasons such as using standardise
procedures and high in inter-rater
reliability.



This response gained Level 3 – 10 marks.

The AO1 is mostly accurate, but there is an inaccuracy in the knowledge and understanding of Skinner's study so it is Level 2.

The AO3 is Level 3, though some of it should be ignored as it is about generalisability not ethical considerations or reliability. The points that are relevant are at Level 3.



Candidates should focus on the ethical considerations of using animals if the question asks about the ethics of using animals.

Paper Summary

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

- Candidates would benefit from reviewing the taxonomy of terms so that they can understand what is required for different types of questions, such as what is required for 'explain' questions.
- Candidates would benefit from practising 'application' questions to ensure they clearly link to details from the scenario to show understanding of the context. Giving the name is not enough to apply their answer to the context.
- When justifying or exemplifying strengths or weaknesses, candidates should make sure they do not just use a term from GRAVE (generalisability, reliability, application, validity and ethics) but explain that term in relation to their given strength or weakness.
- When writing responses to extended open-response questions, candidates should demonstrate their knowledge and understanding for the AO1 marks rather than just write terms with no knowledge and understanding demonstrated of what those terms are.

Grade boundaries

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

https://qualifications.pearson.com/en/support/support-topics/results-certification/gradeboundaries.html

