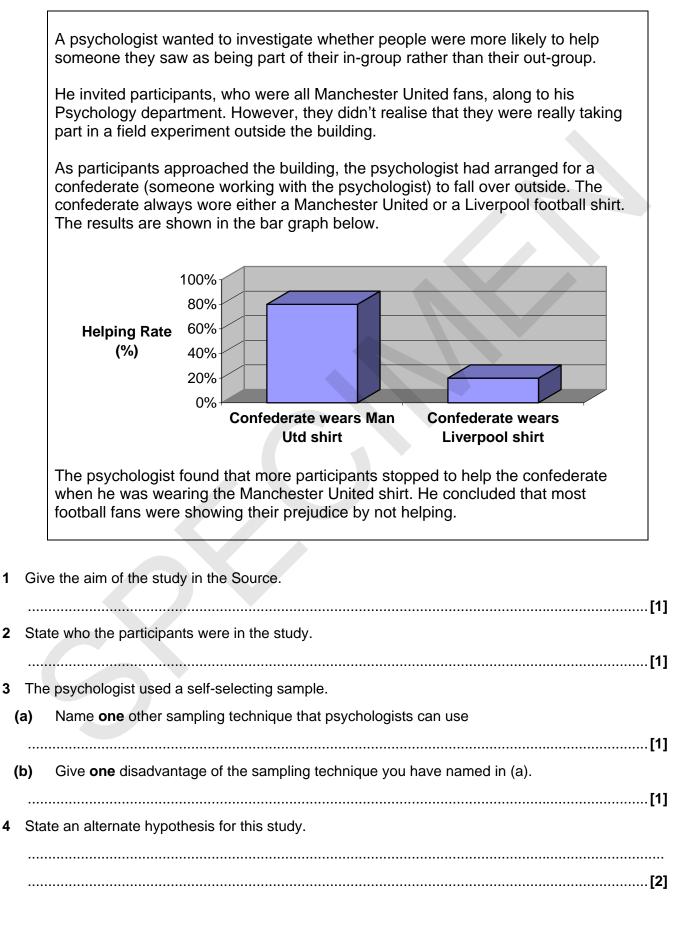
OCR RECOGNISING ACHIEVEMENT SPEC	CIMEN
General Certificate of Secondary Education Psychology	B543
Unit B543: Research in Psychology.	
Specimen Paper	
	Time: 1 hour
Candidate Forename Candidate Surname	
Centre Number Candidate Number	
 INSTRUCTIONS TO CANDIDATES Write your name in capital letters, your Centre Number and Candidate Num Use black ink. Pencil may be used for graphs and diagrams only. Read each question carefully and make sure you know what you have to a Answer all the questions. Do not write in the bar codes. Do not write outside the box bordering each page. Write your answer to each question in the space provided. INFORMATION FOR CANDIDATES The number of marks for each question is given in brackets [] at the end or question 	do before starting your answer.
 question. The total number of marks for this paper is 40. 	
	FOR EXAMINER'S USE
	A B
	TOTAL

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	This document consists of 6 p	rinted pages and 2 blank pages.	
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SECTION A – THE SOURCE

Answer all questions.



		3		
	at the diagram below. a line from each box in th	ne A column to the correct b	pox in the B column.	[2]
	Α		В	
	independent variable		whether a Manchester United or Liverpool shirt was worn	
	dependent variable		whether the confederate was helped or not	
			whether the confederate fell over or not	
(a) E		a 'field experiment'.		[2]
	outline one advantage of			
7 The part of the	sychologist carried out a ert observation.	covert observation. Expla	in the difference between a	covert and
				[3]
	y the experimental des mental designs given be		putting a tick next to one	of the two
rep	beated measures	independent groups		[1]

[Turn over

9 Explain why the psychologist used the same confederate in both conditions.

[3]

10 The study has a number of problems associated with the ethical issues listed below.

avoiding deception avoiding distress gaining consent protecting confidentiality

Complete the following table by choosing a different ethical issue from the list to match the problem described. [3]

ETHICAL PROBLEM	ISSUE
	The participants did not know they were taking
	part in a study.
	The participants really believed the confederate
	was in trouble when he was not.
	Participants who did not help may have felt guilty
	afterwards.

11 Using the bar graph, give the percentage of time that the confederate was helped when wearing a Liverpool shirt.

.....[1]

12 Explain what is meant by *cultural bias* in research.

[2]

Section A Total [25]

4

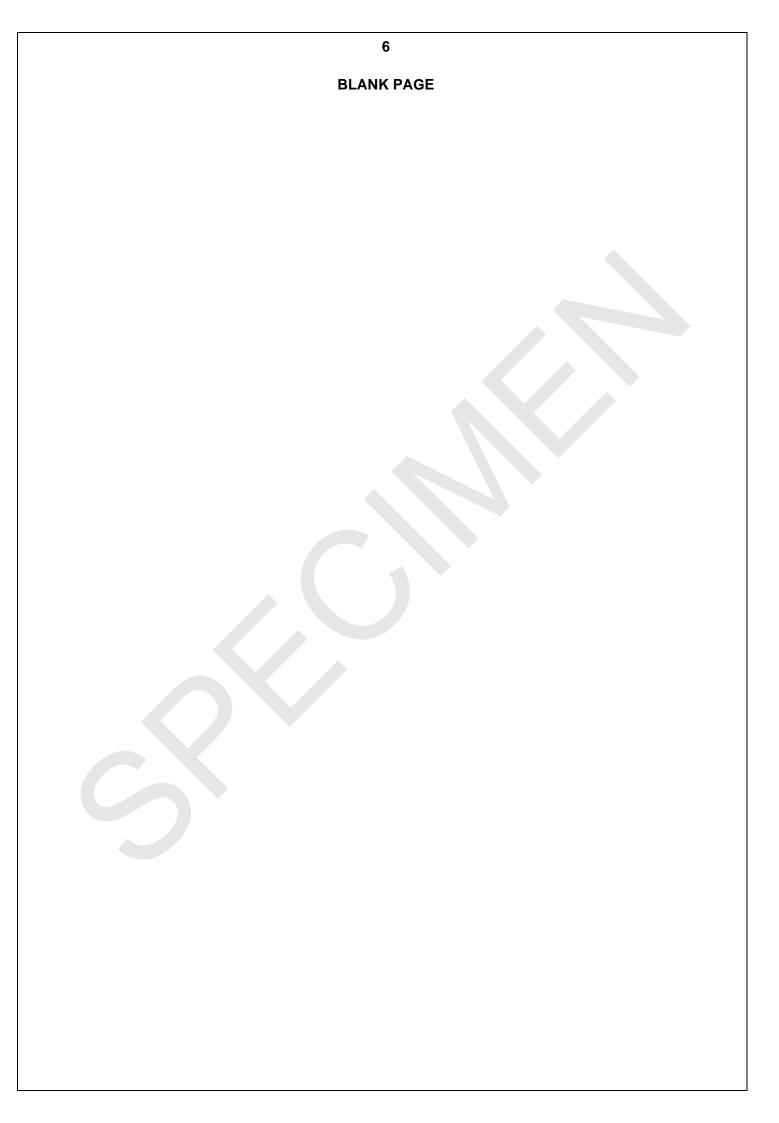
SECTION B – PLANNING AN INVESTIGATION

You have been asked to carry out an *observation* to investigate whether 5 year old boys play differently from 5 year old girls. The theory is that they play with different types of toys, play different types of games and interact differently in play.

13

(a)	State a <i>hypothesis</i> for this investigation.
	[2]
(b)	Outline where you would draw the sample from for this investigation and why.
	[2]
(c)	Describe one <i>ethical issue</i> you would have to deal with when observing 5 year olds.
	[2]
(d)	Describe one control you would use in this observation.
	[3]
(e)	Briefly outline how you would carry out the observation to investigate whether 5 year old boys play differently from 5 year old girls.
	[3]
(f)	Describe one weakness of using an observation in this investigation.
	[2]
	[3] Section B Total
	Paper Total [40]

5





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OXFORD CAMBRIDGE AND RSA EXAMINATIONS

General Certificate of Secondary Education

PSYCHOLOGY

J611

Unit B543: How Psychology Works

Specimen Mark Scheme

The maximum mark for this paper is 40.

Section A	Section A – The Source			
Question Number	Answer	Max Mark		
1	Give the aim of the study in the Source. 1 mark for "to investigate whether people were more likely to help someone they saw as being part of their in-group (rather than their out- group)" or similar response.	[1]		
2	State who the participants were in the study. Manchester United fans or similar response e.g. football fans.	[1]		
3(a)	The psychologist used a self-selecting sample. Name <u>one</u> other sampling technique that psychologists can use. 1 mark for a relevant and accurate response e.g. opportunity sampling, random sampling, etc. N.B. Must be a named technique.	[1]		
3(b)	 Give <u>one</u> disadvantage of the sampling technique you have named in (a). 1 mark for an appropriate response given the answer to (a) e.g. "opportunity samples tend to be biased", "random sampling produces non-representative samples", "stratified sampling is time consuming to do" etc. N.B. If credit not given for (a) then (b) can still be credited if the comment 			
	pertains to sampling.	[1]		
4	 State an alternate hypothesis for this study. 1 mark for identifying this hypothesis predicts a difference. 1 mark for accurate reference to variables. e.g. "There is a difference (1) in how much a Man Utd fan helps compared to a Liverpool fan (1)" 	[0]		
	N.B. Hypothesis can be one or two tailed.	[2]		

Section A	- The Source	
Question Number	Answer	Max Mark
5	Look at the diagram below. Match each box labelled 'A' to the correct 'B' box to show the independent variable and dependent variable in the study.	
	independent variable	
	whether the confederate was helped or not	
	dependent variable	
	whether the confederate fell over or not	
	1 mark for each correct match as shown above.	[2]
6(a)	The psychologist used a field experiment. Explain what is meant by a 'field experiment' 1 mark for identifying a feature of an experiment and 1 mark for	
	identifying a feature of the field e.g. "it is a controlled investigation (1) carried out in a natural setting (1)", "when something is setup (1) but in a real environment (1)".	[2]
6(b)	Outline <u>one</u> advantage of a field experiment. 1 mark for a brief, basic or unclear response e.g. "it has ecological validity (1)" "it is not too controlled"	
	2 marks for a developed or detailed response e.g. "because some variables are controlled (1) it is possible to establish cause and effect (1)"	[2]

Section A – The Source			
Question Number	Answer	Max Mark	
7	The psychologist carried out a covert observation. Explain the difference between a covert and an overt observation. 1 mark for identifying a feature of a covert observation 1 mark for identifying a feature of an overt observation 1 mark for identifying a separate distinction between the two observations e.g. "covert observations are undercover (1) whereas participants know they are being observed in an overt observation (1) so may behave differently (1)"		
	If covert and overt observations are mixed up then can still award marks but to a maximum of 2.	[3]	
8	Identify the experimental design used in the study by putting a ticknext to one of the two experimental designs given below.repeated measuresindependent groups ☑1 mark for a ticking the correct box as shown above.	[1]	
9	Explain why the psychologist used the same confederate in both conditions. 1 mark for a brief, basic or unclear response e.g. "to make it fair". 2 marks for a more developed response e.g. "as a control (1) to make sure that participants weren't helping for other reasons besides the football shirt he was wearing (1)" 3 marks for a developed and detailed response e.g. "to reduce extraneous variables (1) in this case factors such as physical appearance, age or race (1) which could have also affected rates of helping (1)"	[3]	

		Answer	Max Mark	
Number				
10	issues listed below.	of problems associated with the ethical		
	avoiding deception av protecting confidentiality			
	Complete the following t from the list to match the	able by choosing a different ethical issue e problem described.		
	ETHICAL PROBLEM	ISSUE		
	Gaining consent	The participants did not know they were		
		taking part in a study.		
	Avoiding deception	The participants really believed the		
		confederate was in trouble when he was		
	Avoiding distress	not. Participants who did not help may have felt		
	Avoluling distress	guilty afterwards.		
	1 mark for each correctly p	placed response as shown above.	[3]	
44				
11		e the percentage of time that the when wearing a Liverpool shirt.	[1]	
11	confederate was helped 1 mark for 20(%) Explain what is meant by 1 mark for a brief, basic or	when wearing a Liverpool shirt. y cultural bias in research. unclear response e.g. "favouring one culture	[1]	
	confederate was helped 1 mark for 20(%) Explain what is meant by 1 mark for a brief, basic or over another", "a type of p towards one community or 2 marks for a developed o of people (1) are not prope	when wearing a Liverpool shirt. y cultural bias in research. r unclear response e.g. "favouring one culture rejudice" "where researchers are biased r group". r detailed response e.g. "where certain groups erly represented in results (1)", "where a study	[1]	
	 confederate was helped 1 mark for 20(%) Explain what is meant by 1 mark for a brief, basic or over another", "a type of p towards one community or 2 marks for a developed o of people (1) are not prope focuses on one society (1) 	when wearing a Liverpool shirt. y cultural bias in research. r unclear response e.g. "favouring one culture rejudice" "where researchers are biased r group". r detailed response e.g. "where certain groups	[1]	

Section B	- The Investigation	
Question Number	Answer	Max Mark
13(a)	 State a hypothesis for this investigation. 1 mark for an unclear or general statement (not a question) e.g. "boys play differently from girls", boys and girls play with different types of toys". Or 2 marks for a clear, specific statement e.g. "boys will play with trucks for longer than girls", "there is no significant difference in the amount of space girls and boys use when playing outside". Hypothesis can be null or alternate. 	[2]
13(b)	Outline where you would draw the sample from for this investigation and why. 1 mark for identifying an appropriate place to draw the sample from. Plus 1 mark for some justification of the above. e.g. "a local school (1) because I could watch them in the playground (1)" e.g. "a birthday party (1) if it was for 5 year olds (1)" The place will need to be somewhere that both sexes can be accessed and where their age could be identified.	[2]
13(c)	 Describe <u>one</u> ethical issue you would have to deal with when observing 5 year olds. 1 mark for identifying a relevant ethical issue or problem in the response. Plus 1 mark for explaining the problem/issue or saying how it would be dealt with; e.g. "because the children are under 16 (1) parental consent is needed (1) the children might be distressed about being watched (1) so should be told why I am there (1) children have the right to withdraw (1) so can stop the researcher from observing them if they are upset (1)" 	[2]
13(d)	 Describe <u>one</u> control you would use in this observation. 1 mark for identifying the extraneous variable. Plus up to 2 additional marks for a description/explanation of how the variable would be controlled. e.g. "observer bias could be a problem (1) so I would use another observer (1) to check my observations with (1)" e.g. "I could ask the parents what their jobs were (1) to balance out the class backgrounds of the children (1) so that this didn't make a difference to how they played" e.g. "children's play patterns may be affected by others (1) so they should be observed individually (1) in their homes (1)" 	[3]

Question Number	Answer	Max Mark
13(e)	Briefly outline how you would carry out the observation to investigate whether 5 year old boys play differently from 5 year old girls.	
	 1 mark for an attempt to describe how investigation would be done. e.g. "I would sit in each child's living room and watch them" 2 marks for describing a reasonably feasible procedure e.g. "I would have a list of different toys written down (1) and use a stopwatch to time how long each child played with each toy (1)" 3 marks for describing, in some detail, a feasible procedure e.g. "I would observe each child for one hour each day during each break time (1). I would write down each different type of game they played on to a sheet of paper (1) and then tally every time they played that game for more than one minute" 	[3]
13(f)	 Describe <u>one</u> weakness of using an observation in this investigation. 1 mark identifying a limitation. 1 mark for explaining the limitation in the context of the investigation. e.g. "the observer may interpret play to suit her findings (1) for examples, highlighting when boys play aggressively but 'missing' girls aggressive play (1) – this would make the research unreliable (1)" e.g. "there may be an observer effect (1) where children behave differently because they know they are being watched (1) – such as boys not playing with 'girls toys' because they feel self-conscious (1)" e.g. "because the observation is taking place in a neutral environment (1) there is a lack of control (1) so other factors such as weather and amount of space available, may affect play patterns" 	[3]
	Section B Total	[15]
	Paper Total	[40]

Question	AO1	AO2	AO3	Total
1			1	1
2			1	1
3(a)			1	1
3(b)			1	1
4			2	2
5			2	2
6(a)			2	2
6(b)			2	2
7			3	3
8			1	1
9			3	3
10			3	3
11			1	1
12			2	2
13(a)			2	2
13(b)			2	2
13(c)			2	2
13(d)			3	3
13(e)			3	3
13(f)			3	3
Totals	0	0	40	40

Assessment Objectives Grid (includes QWC)