Surname	Other nar	nes								
Pearson Edexcel International Advanced Level	Centre Number	Candidate Number								
Psychology International Advanced Subsidiary Paper 2: Biological Psychology, Learning Theories and Development										
Paper 2: Biological I	Psychology, Lea	_								
Paper 2: Biological I	Psychology, Leand Developmen	_								

Instructions

- Use **black** ink or ball-point pen.
- **Fill in the boxes** at the top of this page with your name, centre number and candidate number.
- Answer **all** questions.
- Answer the questions in the spaces provided
 - there may be more space than you need.

Information

- The total mark for this paper is 96.
- The marks for each question are shown in brackets
 use this as a guide as to how much time to spend on each question.
- The list of formulae and statistical tables are printed at the start of this paper.
- Candidates may use a calculator.

Advice

- Read each question carefully before you start to answer it.
- Check your answers if you have time at the end.

Turn over ▶

PEARSON

P50721A
©2016 Pearson Education Ltd.
1/1/1/1/1/1/1/1/1

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

FORMULAE AND STATISTICAL TABLES

Standard deviation (sample estimate)

$$\sqrt{\left(\frac{\sum (x-\bar{x})^2}{n-1}\right)}$$

Spearman's rank correlation coefficient

$$1 - \frac{6\sum d^2}{n(n^2 - 1)}$$

Critical values for Spearman's rank

Level o	of significance t	for a one-tailed	test
---------	-------------------	------------------	------

	Level of significance for a one-tailed test								
	0.05	0.025	0.01	0.005	0.0025				
	Level of	significan	ice for a t	wo-tailed	l test				
N	0.10	0.05	0.025	0.01	0.005				
4	1.000	1.000	1.000	1.000	1.000				
5	0.700	0.900	0.900	1.000	1.000				
6	0.657	0.771	0.829	0.943	0.943				
7	0.571	0.679	0.786	0.857	0.893				
8	0.548	0.643	0.738	0.810	0.857				
9	0.483	0.600	0.683	0.767	0.817				
10	0.442	0.564	0.649	0.733	0.782				
11	0.418	0.527	0.609	0.700	0.755				
12	0.399	0.504	0.587	0.671	0.727				
13	0.379	0.478	0.560	0.648	0.698				
14	0.367	0.459	0.539	0.622	0.675				
15	0.350	0.443	0.518	0.600	0.654				
16	0.338	0.427	0.503	0.582	0.632				
17	0.327	0.412	0.482	0.558	0.606				
18	0.317	0.400	0.468	0.543	0.590				
19	0.308	0.389	0.456	0.529	0.575				
20	0.299	0.378	0.444	0.516	0.561				
21	0.291	0.369	0.433	0.503	0.549				
22	0.284	0.360	0.423	0.492	0.537				
23	0.277	0.352	0.413	0.482	0.526				
24	0.271	0.344	0.404	0.472	0.515				
25	0.265	0.337	0.396	0.462	0.505				
26	0.260	0.330	0.388	0.453	0.496				
27	0.255	0.323	0.381	0.445	0.487				
28	0.250	0.317	0.374	0.437	0.479				
29	0.245	0.312	0.367	0.430	0.471				
30	0.241	0.306	0.361	0.423	0.463				

The calculated value must be equal to or exceed the critical value in this table for significance to be shown.

2



AREA

DO NOT WRITE IN THIS.

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Chi-squared distribution formula

$$X^{2} = \sum \frac{(O-E)^{2}}{E}$$
 $df = (r-1)(c-1)$

Critical values for chi-squared distribution

Leve	lof	f significance :	for a one-tailed	test
		J.gcance	ioi a one tance	

Level of significance for a one-tailed test									
	0.10	0.05	0.025	0.01	0.005	0.0005			
		Level of s	ignificance	for a two-	tailed test				
df	0.20	0.10	0.05	0.025	0.01	0.001			
1	1.64	2.71	3.84	5.02	6.64	10.83			
2	3.22	4.61	5.99	7.38	9.21	13.82			
3	4.64	6.25	7.82	9.35	11.35	16.27			
4	5.99	7.78	9.49	11.14	13.28	18.47			
5	7.29	9.24	11.07	12.83	15.09	20.52			
6	8.56	10.65	12.59	14.45	16.81	22.46			
7	9.80	12.02	14.07	16.01	18.48	24.32			
8	11.03	13.36	15.51	17.54	20.09	26.12			
9	12.24	14.68	16.92	19.02	21.67	27.88			
10	13.44	15.99	18.31	20.48	23.21	29.59			
11	14.63	17.28	19.68	21.92	24.73	31.26			
12	15.81	18.55	21.03	23.34	26.22	32.91			
13	16.99	19.81	22.36	24.74	27.69	34.53			
14	18.15	21.06	23.69	26.12	29.14	36.12			
15	19.31	22.31	25.00	27.49	30.58	37.70			
16	20.47	23.54	26.30	28.85	32.00	39.25			
17	21.62	24.77	27.59	30.19	33.41	40.79			
18	22.76	25.99	28.87	31.53	34.81	42.31			
19	23.90	27.20	30.14	32.85	36.19	43.82			
20	25.04	28.41	31.41	34.17	37.57	45.32			
21	26.17	29.62	32.67	35.48	38.93	46.80			
22	27.30	30.81	33.92	40.29	48.27				
23	28.43	32.01	35.17	38.08	41.64	49.73			
24	29.55	33.20	36.42	39.36	42.98	51.18			
25	30.68	34.38	37.65	40.65	44.31	52.62			
26	31.80	35.56	38.89	41.92	45.64	54.05			
27	32.91	36.74	40.11	43.20	46.96	55.48			
28	34.03	37.92	41.34	44.46	48.28	56.89			
29	35.14	39.09	42.56	45.72	49.59	58.30			
30	36.25	40.26	43.77	46.98	50.89	59.70			
40	47.27	51.81	55.76	59.34	63.69	73.40			
50	58.16	63.17	67.51	71.42	76.15	86.66			
60	68.97	74.40	79.08	83.30	88.38	99.61			
70	79.72	85.53	90.53	95.02	100.43	112.32			

The calculated value must be equal to or exceed the critical value in this table for significance to be shown.



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

Wilcoxon Signed Ranks test process

- Calculate the difference between two scores by taking one from the other
- Rank the differences giving the smallest difference Rank 1

Note: do not rank any differences of 0 and when adding the number of scores, do not count those with a difference of 0, and ignore the signs when calculating the difference

- Add up the ranks for positive differences
- Add up the ranks for negative differences
- T is the figure that is the smallest when the ranks are totalled (may be positive or negative)
- N is the number of scores left, ignore those with 0 difference

Critical values for the Wilcoxon Signed Ranks test

Level of significance for a one-tailed test

	0.05	0.025	0.01
	Level of signif	icance for a two-	tailed test
n	0.1	0.05	0.02
N=5	0	-	-
6	2	0	-
7	3	2	0
8	5	3	1
9	8	5	3
10	11	8	5
11	13	10	7
12	17	13	9

The calculated value must be equal to or less than the critical value in this table for significance to be shown.



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

BLANK PAGE SECTION A BEGINS ON THE NEXT PAGE.



(1)

(2)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

SECTION A

Answer ALL questions in this section. Write your answers in the spaces provided.

1 Researchers investigated the performance of textile workers during their night shifts. The mean number of mistakes were calculated and recorded in relation to the number of consecutive nights worked. The results are shown in **Table 1** below.

Participant	Number of consecutive nights worked	Mean number of mistakes made				
1	3	6				
2	8	10				
3	5	8				
4	9	12				
5	7	8				
6	11	14				
7	12	14				
8	14	16				

Table 1

(b) Explain **one** strength of the correlational research method.





DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

(c)	Draw a scatter	diagram to	show the	results from	this research.
-----	----------------	------------	----------	--------------	----------------

(3)

Title

												\top		-		т							П			\Box	\top	\Box	
	П					ш																	П						
\perp	ш	\perp		Ш		\perp								_	$\perp \perp \perp$		ш		\perp				ш		\perp	\perp	ш		ш
\perp	Ш		\Box									\perp	\square	\perp	\perp		\sqcup		\square						\perp		\perp		ш
\perp	ш	\perp	$\sqcup \sqcup$	ш		\Box					\square	\perp	\perp	_	\perp	_	\sqcup		\sqcup				ш.	$\perp \perp \perp$	\perp	\perp	\perp	\perp	ш
\perp	ш	\perp	\sqcup	\perp		\Box					\square	\perp	\perp		\square	_	\square		\vdash				\perp	\perp	\perp	\rightarrow	\perp		ш
-	Щ.	-	\vdash			\vdash					\longrightarrow	-	\vdash	-	\vdash	-	\vdash		\vdash				-	\longrightarrow	+	\rightarrow	-	\rightarrow	
\perp	ш	\perp	$\perp \perp$	\perp		\perp						\perp	\perp		\perp	_	\perp		$\perp \perp$				\perp	\perp	\perp	\rightarrow	\perp	\perp	ш
\vdash	ш	\perp	$\sqcup \sqcup$	\perp		\square			\square		\longrightarrow	+	\square		\square	_	\vdash	\perp	\longrightarrow			\perp	\vdash	\vdash	-	\rightarrow	\perp	\bot	
\vdash	ш	\perp	\vdash	\perp		\vdash					\longrightarrow	+	\vdash		+	_	\vdash	+	\longrightarrow			+++	-	\vdash	+	\rightarrow	+	+	ш
\vdash	Н.	+	\vdash	\perp		-							-		+	-	\vdash						-	$\overline{}$	+	\rightarrow	+	\rightarrow	
-	-	-	\vdash	-		\vdash							\vdash		+	+	\longrightarrow		\longrightarrow				-	\longrightarrow	+	\rightarrow	+	\rightarrow	
-	\vdash	+	\vdash	+		\vdash						+	\vdash		+++	+	\vdash		\longrightarrow			+++	-	\vdash	+	\rightarrow	+	+	-
\vdash	\vdash	+	\vdash	-		\vdash							\vdash		+++	+	-		-				\vdash	-	-	\rightarrow	+	+	
-	\vdash	+	\vdash	+		-						-	-	-	+	+	\vdash					+++	-	\vdash	+	\rightarrow	+	+	-
\vdash	\vdash	-	\vdash	+		\vdash						-	-	-	+	+	\vdash	-					-	$\overline{}$	+	\rightarrow	-	+	+
-	-	-	\rightarrow	-		$\overline{}$							-	-	+++	+		-				+++	-			\rightarrow	-	\rightarrow	
-	\vdash	+	\vdash			-						-	-	_	+	+	-	-					-	$\overline{}$		\rightarrow	+	+	-
	\vdash		\vdash	-		$\overline{}$							\vdash		+++	+							+	$\overline{}$		\rightarrow	-	+	+
	\vdash	+	\vdash			\vdash						-	\vdash		+	_							+	+		\rightarrow	-	+	-
-	\vdash		\vdash			-		+++				-	\vdash	_	+	+	\vdash		-			+++		++	+	\rightarrow		+	-
+	+		\vdash	+				+++			-	++	\Box	-		+	\vdash		-	+++		+++				+	++	+	\vdash
\vdash	\vdash		\vdash	+		\Box						+	H		++	+	\Box	+				+++				+	+	+	+
11	\vdash	+	\vdash	\Box		ш		+++					ш		\Box	+	\Box					+++				+	+	+	+
	\vdash		\vdash	\Box		ш		+++					т		+		\Box					+++		\Box		\dashv	+	+	\Box
	\vdash					\Box		\rightarrow					\Box			+										\rightarrow		+	\Box
																												\Box	
	\Box	\top		\Box												\top										\neg		\top	\Box
																T													
	ш	ш		ш												_							ш		\perp	\perp	ш		ш
\perp	ш		\Box									\perp	\square				ш		\sqcup						\perp		\perp		ш
\perp	Ш	\perp	\Box									\perp	ш		$\perp \perp \perp$		\Box		\square				\perp			\perp	\perp		ш
\perp	ш	\perp	$\sqcup \sqcup$	Ш		\Box					\square	\perp	\perp	_	\square	_	\sqcup		\sqcup				ш.		\perp	\perp	\perp		ш
\vdash	ш	4	\sqcup	\perp	+	\vdash					\longrightarrow		\vdash	-	+	_	\sqcup		$\vdash \vdash$			+	4	\vdash	+	\rightarrow	\perp	\rightarrow	
\vdash	ш	\perp	$\sqcup \sqcup$	\perp		\vdash			-		\longrightarrow		\vdash		+	_	\vdash	+	\longrightarrow			+	\vdash	\vdash	-	\rightarrow	+	+	
-	Н.	-	\vdash	\perp		\vdash					\longrightarrow		\vdash		\square	-	\vdash					+++	-	\vdash	+	\rightarrow	+	+	
\vdash	Н	-	\vdash	\perp		\vdash						+	-		+	-	\vdash		\vdash	++++		+	-	$\overline{}$	+	\rightarrow	+	+	
-	Н.	+	\vdash	\perp		-							-		+	-	\vdash			+			-	$\overline{}$	+	\rightarrow	+	\rightarrow	
-	-	-	\vdash	-		$\overline{}$						-		-		+						+++	-			\rightarrow	-	+	-
-	\vdash	+	\vdash	+		\vdash							\vdash		+	+	\vdash		\longrightarrow			+++	-	\vdash	+	\rightarrow	+	+	
-	\vdash	-	\vdash	+		-							-		+++	+	$\overline{}$						-	$\overline{}$	+	\rightarrow	+	-	+
\vdash	\vdash	+	\vdash	-		\vdash						-	\vdash	_	+++	-	$\overline{}$	-					+	$\overline{}$	+	\rightarrow	+	+	-
\vdash	\vdash	+	\vdash	+								-	-	_	+	+	\vdash					+++	-			\rightarrow	+	+	+
-	\vdash	-	\vdash	_								-	-	_		+							-		_	\rightarrow	-	+	-
-	\vdash	+	\vdash	+								-	-	_		-			-				-			-	-	+	+
	\vdash	+	\vdash	+		$\overline{}$						-	\vdash	-	+	+	\vdash		-			+++	-	++		\rightarrow	+	+	-
111	\vdash	+	\vdash	\Box		\Box		+++					ш		+	+	\Box					+++		\vdash		+	+	+	-
\vdash	+	+	\vdash	+		\vdash		+++				+	Н		++	+		+				+++				+	+	+	+
	$\overline{}$																										11	_	
	\Box							\neg																		\neg	11	\top	\Box
	ш	\perp	$\sqcup \sqcup$	\perp		ш		\perp		\Box	$\sqcup \sqcup$	\perp	$\sqcup \sqcup$	\perp	$\perp \perp \perp$		$\sqcup \sqcup$	\perp	\sqcup	+++		$\perp \perp \perp$	\perp	\sqcup	\perp	\perp	\perp	$\perp \!\!\!\perp \!\!\!\!\perp$	\perp
			$\sqcup \sqcup$			$\sqcup \sqcup$							$\perp \perp$	\perp	\Box		\sqcup		\square			\perp		\Box				$\perp \perp \downarrow \downarrow$	
\perp	ш	\perp	$\sqcup \sqcup$	\perp		$\sqcup \sqcup$		\bot			\square	\perp	$\sqcup \sqcup$	\perp	\Box	_	$\sqcup \sqcup$	\perp	\vdash	+++	\Box	$\perp \perp \perp$	\perp	\vdash	\perp	\perp	\perp	\bot	
-	1	4	\perp	\perp		\Box					\vdash	+	\perp	+	\perp	4	\vdash	+	\longrightarrow	+++		+	-	\vdash	+	\rightarrow	+	+	_
1	\vdash	\perp	\sqcup	\perp		\sqcup		+++		\perp	\vdash	+	+	+	++	+	\vdash	+	\vdash	+++	\perp	+++	+	\vdash	+	+	+	+	
\vdash	\vdash	+	$\sqcup \sqcup$	\perp		$\sqcup \sqcup$		+++	+	\vdash	\square	+	\sqcup	+	+	+	\vdash	+	\vdash	+++	+++	+++	\vdash	\sqcup	+	+	+	+	\perp
H	\vdash	+	\vdash	\perp		$\vdash\vdash\vdash$		+++	\perp	\perp	\vdash	+	\vdash	+	++	+	\vdash	+	\vdash	+++	+++	+++	\vdash	\vdash	+	+	+	+	
\vdash	\vdash	+	\vdash	\vdash		\vdash		+++	\vdash	++	\vdash	+	++	+	++	+	\vdash	+	\vdash	+++	+++	+++	\vdash	\vdash	+	+	+	+	+
-	+	+	\vdash	+		$\vdash\vdash\vdash$		+++	+	++	+++	+	++		+++	+	\vdash	++		+++	+++	+++	++		+	+	++	+	+
+	\vdash	+	\vdash	+		$\vdash\vdash$		+++	+	++-	\vdash	+	++	\rightarrow	++	+	\vdash	+	\vdash	+++	+++	+++	+	+++	+	+	+	+	+
-	\vdash	+	\vdash	+		\vdash		+++		++	\vdash	+	+	+	++	+	\vdash	+	\vdash		+++	+++	+	++	+	+	+	+	-
\vdash	+	+	$\vdash\vdash$	+		$\vdash\vdash\vdash$		+++	\Box	++-		+	++	\rightarrow	+++	+	\vdash	++	\vdash	++++	+++	+++	+	+++	+	+	+	+	+
+	\vdash	+	++	+		\vdash	+++++	+++		++	+++	+	++	+	+++	+	++	+			+++	+++	-	++	+	+	+	+	+
+	+	+	\vdash	-		-		+++				++	+	-		+	-	++	-	-		+++	-	-	+++	++	+	+	-
	+	+	++	+		\vdash		+++	+	++	+++	+	++	+	+++	+	\vdash	+	\vdash	+++	+++	+++	+	++		+	+	+	+
+	+	+	++	+		\vdash		+++	+	++	+++	+	++	-	+++	+	\vdash	++	\vdash	+++		+++	+	++	+	+	+	+	+
+	+	+	++	+		\vdash		+++		++		-	+	-	+	+	\vdash	+				+++		\Box		+	+	+	+
\vdash	+	+	++	+		\vdash				++		++	+	+	++	+	++	+	-			+++	+	++		+	+	+	+
\vdash	+	+	\vdash	+		\vdash		\rightarrow			-	++	+	-		+	\vdash		-			+++			+	\rightarrow		+++	-
\vdash	+	+	\vdash	+		\vdash		+++				++	+		++	+		+				+++				+	+	+	+
	\vdash		\Box	\Box		ш		+++					т		+		\Box					+++		\Box		\dashv	+	+	\Box
	\vdash					\Box		+					\Box			+										\rightarrow		+	\Box
	\Box		\Box	\Box		ш		\rightarrow					ш		\Box							+++				\dashv		\top	\Box
	_	_		_																									

DO NOT WRITE IN THIS AREA

(d) Describe the type of correlation shown in the scatter diagram you have drawn.	(2)
(e) State which statistical test you could use to determine whether there is a relationship between the number of consecutive nights worked and the mean number of mistakes made.	
	(1)
(Total for Question 1 = 9 i	marks)

DO NOT WRITE IN THIS AREA

In biological psychology you will have covered a contemporary study by Breet al (2005).	endgen
(a) State two aims of the study by Brendgen et al (2005).	(2)
//) C:	
(b) Give one conclusion from the study by Brendgen et al (2005).	(1)
(-) For a large state and the set of the set	
(c) Explain two strengths of the study by Brendgen et al (2005).	(4)



DO NOT WRITE IN THIS AREA

(d) Suggest one way Brendgen et al (2005) could improve their study.	
	(2)
(Total for Question 2	= 9 marks)

DO NOT WRITE IN THIS AREA

	State the fully operationalised hypothesis from your biological practical	
	investigation.	(2)
b)	Explain one ethical issue you took into consideration when planning your	
	biological practical investigation.	(2)
······	Describe how you gathered the quantitative data in your biological practical	
	Describe how you gathered the quantitative data in your biological practical investigation.	(4)
		(4)
		(4)
		(4)
		(4)
		(4)
		(4)
		(4)



DO NOT WRITE IN THIS AREA

4	Evaluate whether the role of neurotransmitters can fully explain human behaviour.	(8)

DO NOT WRITE IN THIS AREA

(Total for Question 4 = 8 marks)
,
TOTAL FOR SECTION A = 34 MARKS



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

SECTION B

Answer ALL questions in this section. Write your answers in the spaces provided.

- 5 Stuart is a four-year-old boy who enjoys spending time with his mother. His father decided to take him on a fishing trip. Stuart became afraid and said he did not want to go.
 - (a) Identify which Freudian psychosexual stage Stuart is in.

(1)

(b) Explain, using Freudian theory, why Stuart became afraid.

(2)

(Total for Question 5 = 3 marks)

14



DO NOT WRITE IN THIS AREA

(a) Evaluin value Evandian the amount is a Change V	
(a) Explain, using Freudian theory, which part of Shruthri's personality was responsible for her behaviour.	5
	(2)
 (b) Explain, using Freudian theory, which part of Shruthri's personality should have	
stopped her eating all the sweets.	(2)
	(2)
(c) Explain one weakness of Freud's psychosexual stages of development.	
	(2)
(Total for Question 6 = 6 ma	



DO NOT WRITE IN THIS AREA

(1)

(1)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

7 Angela observed the behaviour of children aged two to five years in an early years setting in Canada. Each child was observed for five minutes and the number of times they played with each toy was recorded in **Table 2** below.

Boys	Number of times observed playing with cars	Number of times observed playing with dolls	Girls	Number of times observed playing with dolls	Number of times observed playing with cars
1	4	2	1	6	0
2	5	3	2	5	3
3	7	2	3	6	2
4	6	1	4	4	3
5	5	0	5	4	4

Table 2

(a) (i) Calculate the mean score for boys playing with cars using the results from **Table 2**.

Space provided for calculations

Mean score for boys playing with cars

(ii) Calculate the median score for girls playing with dolls using the results from **Table 2**.

Space provided for calculations

Median score for girls playing with dolls



DO NOT WRITE IN THIS AREA

method in this study.	(4)
Strength	
Weakness	
c) Angela used a chi-squared test to analyse the data from her st	udy.
Justify the use of a chi-squared test for this data.	(2)
(Total for	Question 7 = 8 marks)
(Total for	Question 7 = 8 marks)
(Total for	Question 7 = 8 marks)
(Total for	Question 7 = 8 marks)
(Total for	Question 7 = 8 marks)
(Total for	Question 7 = 8 marks)
(Total for	Question 7 = 8 marks)



DO NOT WRITE IN THIS AREA

8	Define the following classical conditioning terms.	
	(a) Spontaneous recovery	(1)
	(b) Extinction	(1)
	(c) Stimulus generalisation	(1)
1	(d) Explain two strengths of classical conditioning as an explanation of learning.	(4)

DO NOT WRITE IN THIS AREA

(e) Describe how you would use classical conditioning to train	a dog to sit.
(Total	for Question 8 = 9 marks)



DO NOT WRITE IN THIS AREA

9	In learning theories and development, you will have covered a contemporary study by Capafóns et al (1998).		
	Evaluate the contemporary study by Capafóns et al (1998).		
		(8)	
•••••			

DO NOT WRITE IN THIS AREA

(Total for Question 9 = 8 marks)
TOTAL FOR SECTION B = 34 MARKS
I O I ALL I ON SECTION D - 34 NIANNS



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

SECTION C

Answer ALL questions in this section. Write your answers in the spaces provided	Answer ALL c	questions in	this section.	Write your	answers in t	the spaces	provided.
---	---------------------	--------------	---------------	------------	--------------	------------	-----------

10 Evaluate the role of internal pacemakers (body clock) and external zeitgebers in the regulation of the sleep-wake cycle.	
regulation of the sieep wake eyele.	(12)

DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

11 A newspaper has claimed that playing violent video games has influenced a rise in teenage aggression within society, specifically with boys over 12 years of age.	
A team of psychologists has been asked to conduct research investigating whether playing violent video games increases aggression in teenagers.	
Assess whether PET scans or observations would be the most appropriate research method for this investigation.	
You must make reference to the context in your answer.	(16)



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

1

