	Section E Research meth	ods
	Answer all questions in the space	s provided.
		Total for this question: 20 marks
5	A psychology teacher had an idea that students we than students who do not study drama. She want true and decided to conduct an experiment. This	ed to find out whether or not this is
	 She asked all 30 members of her Year 11 psyc studied drama. She discovered that half of her 	•
	 After obtaining their consent to take part in the member of her class to complete the EPI (a per extraversion. The higher the score, the more extraversion. 	rsonality test). The test measures
	She calculated the mean extraversion score for the mean extraversion score for the students were	
5 (a) (i)	Identify the independent variable in this investigate (<i>Tick the correct box.</i>)	on.
	The EPI (a personality test)	
	The extraversion score for each student	
	Whether or not the students studied drama	
F (a) (ii)	Identify the dependent variable in this investigation	(1 mark)
5 (a) (II)	Identify the dependent variable in this investigation (<i>Tick the correct box.</i>)	ii.
	The EPI (a personality test)	
	The extraversion score for each student	
	Whether or not the students studied drama	
		(1 mark)
	Question 5 continues on the n	ext page

Turn over ▶



dramastudy dramaMean extraversion score4020	es out of 50 for students who studied study drama Students who did no study drama
Table 1: The mean extraversion scores out of 50 for students who students who did not study drama Students who studied drama Mean extraversion score 40 20	es out of 50 for students who studied study drama Students who did not study drama 40 20 e mean extraversion scores shown in
and for students who did not study drama Students who studied drama Mean extraversion score 40 20	s who studied Irama Students who did no study drama 40 20 e mean extraversion scores shown in
dramastudy dramaMean extraversion score4020	trama study drama 40 20 e mean extraversion scores shown in
	e mean extraversion scores shown in
lee the graph paper below to display the mean extraversion scores shown	

(5 marks)

5 (d) (i)	Do the results of the investigation provide support for what the psychology teacher w trying to find out? (<i>Tick the correct box.</i>)	
	Yes	
	No	
		(1 mark)
5 (d) (ii)	Explain the reason for your answer to 5(d)(i) . Refer to the aim and results of in your explanation.	f the study
		(3 marks)
5 (e)	Read the following descriptions of sampling methods.	
	Those selected are members of the target population who happen to be available to take part.	
	Every member of the target population has an equal chance of being selected.	
	Different subgroups of the target population are identified and then participants are selected from the subgroups in proportion to their numbers in the target population.	
	Every fifth member of the target population is selected for the sample.	
	From the following list of terms, choose the one that matches each description write either A , B , C or D in the box next to it. Use each letter only once.	on and
	A Random B Opportunity	
	C Systematic	
	D Stratified	(3 marks)
	Question 5 continues on the next page	



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5 (f)	Outline one advantage and one limitation of stratified sampling.
	Advantage
	Limitation
	(4 marks)
	Extra space

END OF QUESTIONS

