Candidate Marks Report

Series : 6 2018

This candidate's script has been assessed using On-Screen Marking. The marks are therefore not shown on the script itself, but are summarised in the table below.

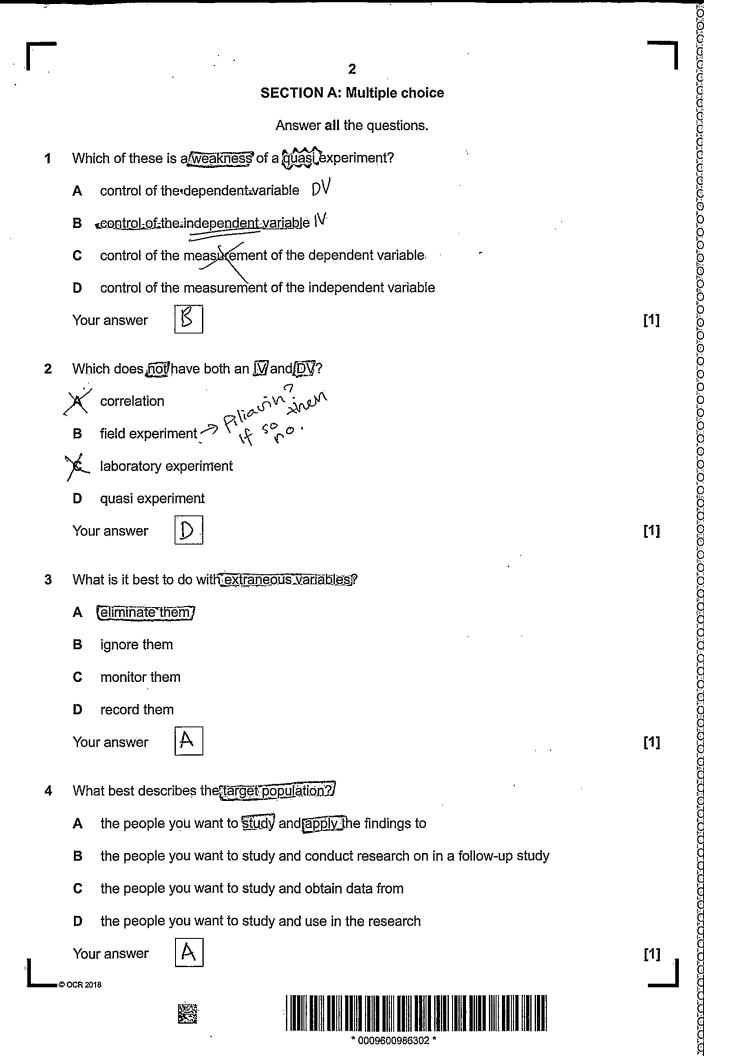
Centre No :	Assessment Code :	
Candidate No :	Component Code :	01
Candidate Name :		

Total Marks : 50 / 90

In the table below 'Total Mark' records the mark scored by this candidate. 'Max Mark' records the Maximum Mark available for the question.

Paper:	H567/01
Paper Total:	50 / 90
Question	Total / Max Mark Mark
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26a 26b 26c 27a 27b	1 / 1 0 / 1 1 / 1 1 / 1 1 / 1 0 / 1 1 / 1 0 / 1 1 / 1 0 / 1 1 / 1 2 / 2 8 / 15 3 / 6 4 / 6 1 / 6 3 / 3 2 / 2 1 / 1 2 / 4 0 / 3

28a	2/5
28a 28b 28c 29 30 31	NR / 2
28c	NR / 2
29	4 / 4
30	2/6
31	3/3



	3	
5	What is the name given to data before any analysis is performed?	
	A interval	
	B ordinal	
	C quantitative	
	D raw	
-	Your answer	[1]
6	What is the name for the type of reliability that involves dividing a test into two parts and comp scores on both parts of the test?	aring
	A semi-structured	
	B split-half	
	C test-retest & maybe?	
	D two-tailed	
	Your answer B	[1]
		••
7	Which of these inferential statistical tests does not require the data to be ranked as part c calculation?	of the
	A Chi-square	
	B Mann-Whitney U test	
	C Spearman's Rho	
	D Wilcoxon Signed Ranks test	
	Your answer	[1]
8	Which of these is an advantage of secondary data?	
	A_already-exists	
	B easy to analyse	
	C easy to interpret	
	D ecologically valid	
	Your answer	[1]
		I
		er
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9	4 What is meant by the term <u>significant result</u> ?	•
5	A it is a figure that you compare the answer from an inferential statistical test with	
	B it is an answer that exceeds:a-certain-probability:level	
	 C it is an answer that tells us something important 	
	 D it is an approximate answer 	
	Your answer A	[1]
		£.1
10	In research terms, what is meant by 'social desirability'?	
	A responding in a way that is approved of by society	
	B responding in a way to be perceived as more friendly	
	c responding in a way to please the researcher	
	D responding in a way to provide the researcher with what is expected	
	Your answer	[1]
44	In which conting of a section o	
11	In which section of a practical report write-up would you find details of standardised inst given to participants?	ructionsy
	A abstract	
	B appendices	
	C discussion	
	D introduction	
	Your answer B	[1]
12	What is 'the Rarvard system'?	
	A a way of presenting results from an inferential statistical test in a practical report	
	B a way of providing details of the materials used in a practical report	
	C a way of summarising how participants were obtained in a practical report	
	D a way of writing academic references in a practical report	
	Your answer v	[1]
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Ι		5	ľ
13		nich best describes what a semantic differential rating scale is?	-
	Α	selecting a point on a line to indicate your strength of opinion about something	
	В	selecting a point on a line to respond to how much you agree with something	
	С	selecting a point on a line with different numbers along it	
	D	selecting a point on a line with words that have opposite meanings at either end	
	You	ur answer D	[1]
14	Wh	no conducts a peer review?	
	Α	a government minister	
	в	a statistician	
	С	fellow academics	
	D	lay persons	
	You	ur answer C	[1]
OT an) }\//b		**
2 15	/	nich of these different types of data would not include any information in the form of words?	l .
	A		
	B	nominal	
	C	qualitative	
	D	secondary ur answer B	547
	YOU	ur answer B	[1]
16	Wh	nich of these could not be the answer from a Spearman's Rho inferential statistical test?	
	A	-0.728	
	В	0.3	
	С	0.892	
	D	1.52	
	You	ur answer D	[1]
1			1
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	6	
17	What is the mode in this set of data?	
	17, 18, 12, 23, 17, 25, 19, 17	
($(A \ 17)$ $(21) + 17 \ 19 \ 19 \ 29$	·
	B 17.5 12, 17, 17, 17, 19, 19, 23, 25	
	C 18	
	D 19	
	Your answer A	1]
18	The variance of a set of scores is [4.44] What is the standard deviation?	
	A 1.4	
	B 3.8	
	C 14.0	
	D 208.51	
	Your answer A	1]
19	Which variable was negatively correlated with length of time as taxi driver in the Maguire et al. stud	/?
	A volume of grey matter in the anterior hippocampus	
	B volume of grey matter in the central hippocampus	
	C volume of grey matter in the hippocampus	
	D volume of grey matter in the posterior hippocampus -)in created.	
		1]
	Your answer A Sober Survey What <u>type of data</u> was collected in the Piliavin et al. study for the dependent variable of length	
20	What type of data was collected in the Pillavin et al. study for the dependent variable of length time that it took for help to be offered?	of
	A interval	
	B non-parametric	
	c qualitative -> comments.	
	D secondary	
I	Your answer C	[1]
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Turn over for the next question.

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SECTION B: Research design and response

Answer all the questions.

Travellog. How do people pass-the time on a long journey? Some people seem to cope better than others and manage to keep-themselves:occupied or simply don't:mind (perhaps even enjoy) the rest. Others find it more difficult and can become bored and restless? Psychologists want to use the naturalistic observation method to investigate this and find out if some types of behaviour and actions are more common than others.

Write an appropriate research aim for the study. 21 relling or behaviout elt and of people travelling. behaviour an long term transport abserve effect behaviour [2] 22* Explain how you would use the inaturalistic observation method to conduct this research. Justify your decisions as part of your explanation. HOW In your answer, the required features that you must refer to are: 1000 M Y EXPERIENCE. participant or non-participant observation. There all of $\frac{7}{2}$ hour slots. time or event sampling how data will be recorded during the observation, newspaper/camera (recorded tin person view gets obstructed. You should use your own experience of practical activities to inform your response. abserve behaviou August to the 27th August onthe Contra con cand Ne Q D d order effects of part naint n my technology benaviour, higher Ma when overthy observ into <u>. MM</u> © OCR 2018

9 in a better light, as crident in the elves would be put into tegonies anoural recording behanours table ensure ease when replicability [No. times displayed: (fally.) Behaeriour Biting nails humming CONT talking to someone moning leg reading | sleeping This method will make sure increasing concurrent variations intime); can be replicated turthermore, with multiple researchers obsensing, it will allow peerreviews, increasing inter-rater reliability. In my study on mobile phone didn't area my Observations to anyone else, enggesting that] am prone to researcher bias, reducing my validity and & would make use of time sampling, sampling, recording the 2 hour behaviours every 30 minutes on the 12 hour trip from London aurport to South Africa's CONT trom Johannes burgh This will mean that a range of behaviours can be recorded, a variation deferent as well as Flame, from different economic and social backgrounds #

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10 Describe two things that may influence the inter-rater reliability of this study. 23 bored and class Some mau archers to othe restless -differently (EG tapping e's foot - due to boredom <u>OV</u> $\mathcal{T}\mathcal{D}$ that nother <u>1001</u> man reliability unc inter-rater behano Some are MON pluor are essauple, if N 'calm' Lidge sitting an hng any limbs bouncing or over/ook Vice verter, [6] moving constantly and 24 Outline one strength and one weakness of using the naturalistic observation method in this study. A naturalistic observation, when investigating. behaviour during travel, has high ecological Va lidity, as it is set in the natural environment, en sunna level of realism applicability -thus an 0 and generaliseabilisty. However, because it is in an uncontained environment, not is it hard to replicate, but also .only dinunale 40 or contro variables, as indiv NS SVIC or / like whether 15 tip with small [6] or a famil Ω children, etc.)



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presumptions consent rather do a pilot study to assume that 25 Describe two ways you would address the ethical consideration of responsibility in relation to this study. Firstly, it would be the researchers responsibility to protect the privacy of each participant, as without consent or debriefing (they are being observed on public transport H either. another easy to obtain won't be way to address responsibility would be to sconsider whether it is cocially eq: would the results isolate sensitive; those who tap their jest from boredom, portraiping them in a negative light? [6]

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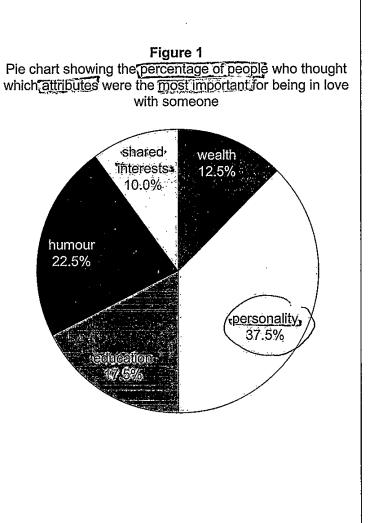
SECTION C: Data analysis and interpretation

Answer all the questions.

Love is in the (question) air. We can fall (in to it and out of it), it can make us feel both happy and sad or even angry and mad, but what is love? Psychologists decided to investigate this further by using the self-report method in which they posted out a questionnaire to members of the public to complete. Some of the data from the first twenty males and first twenty females to respond are presented in the tables below.

Table 1: Ratings of the importance of physical)appearance for being in lovegiven by male and female participants(1= 'not very important' to 10 = 'extremely important')			
males	;	females	
7	١	23	
5	2	X	
9	. 3	X	
10	ч)e	
8	S	¥.	
7	6	ġ	
7	7)S	
9	4	S.	
8	٩)s	
10	10	R	
9	ι!	JS.	
10	12	R	
9	13	3	
9	14	5	
7	15	8	
6	16	X	
5	เว	ેંદ્ર	
6	18	Ń	
7	19	R	
9	20	8	

Table 2: Responses to the question do you believe in love at first sight?'			
yes no			
males	5	15	
females	12	8	





26 A partly completed table of measures of central tendency for the data collected in Table A is presented below.

Measures of central tendency for the ratings of the importance of physical appearance for being in love given by male and female participants		
males females		
mean	4.9	4.3
median	8.0	4.50
mode	9.0	3.

Answer the following questions so that the rest of the table can be completed! Show fall your 7 workings.

(a) Calculate the mean rating of the importance of physical appearance for being in love given by males. Write your answer to two significant figures.

7+5+9+10+8+7+7+9+8+10+9+10 +9+9+7+6+5+6+7+9 = 157167 <u>-</u> 4.85 20 ~ 7.9 [3] (b) Calculate the median fating of the importance of physical appearance for being in love given by females. 7 VC2 1,1,2,3,3,3,3,3,3,4,5,5,5,5,5,6,6,7,7 median= 4.5 (c) What is the mode for the importance of physical appearance for being in flove given by females? 2×1's, 1×2 (6×3's), 1×4, 5×5's, 2×6's, 2×4's mode = 3. [1]

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14 (a) What is the range for the fating of the importance of physical appearance for being inclove 27 given by males and females? Show your workings. male lavest= 5 male highes 2 10 female lowest=1 M 26 ~ 17 7 Ŀ male range=5 female range [4] (b) Outline one conclusion from the calculation of the range for the rating of the rat physical appearance for being in love given by males and females. have a lower range them females, Males value physical appearance then suggeshna However, the overall females. less than eshing that physical h being lave YOY sth <u> _____</u>[3] females undor ta ବ





(a) Using the formula provided calculate the <u>value of Chi-square</u> for the data in the table below. The Evalues (expected≃frequencies) have already been provided (in the table in italics). Show your workings.

~ ² – \	$(O-E)^2$
	E

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	ses to the que ieve in love at		
	yes	no	+
males	5 (8.50)	15 . <i>(11.50</i>)	20
females	12 (8.50)	8 (11.50)	20

..... (0-E Ē Ξ 2 (5 - 8.50)= 1.4411 8.50 $(15 - 11.50)^2$ 1 • 06 52 . 11.50 1-252 = 1-562 1.44 11.06 1.25 2 x = 40? [5]



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(b) Using the extract of the tables of critical values for the Chi-square test presented below, what is the critical value at the 5% probability level for data collected in this study?

1.	1 .	Probability level			
	Degrees of freedom (df)	0.5	0.05	0.01	
	1	0.455	3.841	6.635	
	2	1.386	5.991	9.210	
	3	2.366	7.815	11.345	
	4	3.357	9.488	13.277	
	5	4.351	11.070	15.086	

	······
	[2]
(c)	Write the significance statement for the analysis performed on this data using the Chi-square (test)
	.,,
	·····
	[2]
	••



17 Using the data presented in the pierchart in Figure 17 on page 12, calculate the ratio of how many 29 people said that personality was the most important thing for love compared to those that said wealth was. Show your workings. 37.5 Please see extra Personality 37 POD 10.0 22...5 100 - 37.5 =<u>.+.17..5</u>. 00 100 62.5 χJ 125:75 5:3. 5 Ð wealth = 2 [4] 30 Evaluate the population validity of the data collected in this study. only consists of to 40 people. samp Hirsty, the androcentric, considering the ease Though isnt it 15 colleching data relatively small, and so generaliseabi y. Furthernesse, there is only Lacks writative so we are unable to find the though of the participants or et their socia man be straight, DUTS. applicability oshon. as we are unsure if the sample is truly valid or not. Another is that the pont researchers only doest? attributes for love in figure 1, and does [6] allow for any other their attributes are all there is. This reduces the validity, as it boxes answers in; the Population answers may be misteading (Eq the text actual most important attribute new be spirituality, or height.)

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The discussion section of the write-up of a practical report includes a conclusion made from the analysis of the data collected. Outline one-conclusion from the discussion section of any of your 31 own.practical.activities.

END OF QUESTION PAPER

be charactenized an uncomfortable situation would by accusational topics (did you stead...!) or one where an unconfertable images/subjects chose eq the philitic - fear of holes, talking-about fear of spiders, hoarders houses, etc. ones chosen,



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ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

22 ces ethnocentrism, as in This red the sample was predominantly \mathcal{M} teenaaler ram a (middle class. CONT m. MA. both ocentric and ethnoce of how WO æ CONT AF a coking CULOI xsth ra spicion and CONT inited view of the participants. er a ensure More holistic ł٨ a th sample when СN e or and them, it would the be replicate <u>e</u>r Can unlike where Sł mu .Sti Th were Constantin Thernan blo MM view ann behavio recording hoted ...bettorn fipage.g., at Hirst, business will be <u>ASSES</u> sbeerved and record © OCR 2018

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20			
$29(37.6:12.5) \times 2 = 75:25$			
<u>75:25 = ₹15:5</u> <u></u> 			
$\frac{16:5}{5} - (3:1)$			
5 - 3:1			
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Off Page Comments

Item Name	Comment	
23	2+1 First point lacks detail Second point is a weak attempt in context	
22	RF1. IC(R) NIC(B) EL(R) RF2. IC(G) IC(R) EL(R) RF3. IC(L) Justification not related to the behavioural sampling tech suggested RF4. IC(G) IC(G) IL Band 8-11 as although all 4 RFs addressed in context RF3 was 'limited'. And only 3 RFs justified, so 8 marks	
29	Calclations appropriate and correct ratio stated	
30	Some parts of this response are related to validity in general rather than population validity. Only the opening part of the response is creditworthy.	
27b	Starts with a finding and rest of response is incorrect as can not be derived from the range (has been interpreted as mean score)	
28a	2 marks as correct calculations for two cells presented	
27a	Some lack of clarity in the calculations presented, and unclear (as not labelled) what the range of 9 refers to	
25	1 mark for ref to 'protection' here, but not detailed	
24	2+2 First point in context and just enough detail for 2 Second point lacks some detail regarding influence of extraneous variable on making the research difficult to replicate	