Page 1 of 2

UNIVERSITY OF SWAZILAND

FACULTY OF SOCIAL SCIENCE

DEPARTMENT OF SOCIOLOGY

SUPPLEMENTARY EXAMINATION PAPER, JULY 2012

TITLE OF PAPER	:	RESEARCH METHODS
COURSE CODE	:	SOC 201
TIME ALLOWED	:	THREE (3) HOURS
INSTRUCTIONS	:	1. ANSWER ANY FOUR (4) QUESTIONS.
		2. ALL QUESTIONS CARRY EQUAL MARKS.

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SOC 201 RESEARCH METHODS

SUPPLEMENTARY EXAMINATION QUESTION PAPER JULY 2012

Answer any four (4) Questions. All Questions Carry Equal Marks

- 01. Outline the different stages in the research process and explain the purpose for which research is undertaken.
- Describe the various types of questionnaires and discuss the characteristics of O2. a good questionnaire.
- Q3. Discuss the ethical issues in research.
- Q4. Describe the different steps involved in applying content analysis and identify the units of analysis.
- Q5. You would like to do a survey of students on campus to find out how much time on average they spend studying per week. You obtain a list of all students currently enrolled and draw your sample from this list.
 - What is your sampling frame? (i)
 - What is your target population? (ii)
 - Explain how you would draw a simple random sample for this study. (iii)
 - (iv) How would you obtain a stratified random sample?
- Q6. Why is it important to establish rapport in an interview situation? Explain with reference to a study you are familiar with.

Q7. Find Chi-square for the following information and state whether the two attributes condition of home and condition of child are independent. Condition of Child Condition of Home

Conwinten of China	Contanton		
	Clean	Dirty	Total
Clean	70	50	120
Fairly Clean	80	20	100
Dirty	35	45	80
Total	<u>185</u>	<u>115</u>	<u>300</u>
short notes any four (4) of the	following		

Q8. Write short notes any four (4) of the following:

Focus group interviews
Triangulation 3. Mailed questionnaires
Hypothesis
Normal distribution
Correlation

	Level of significance for a directional test									
	.10	.05	.025	.01	.005	.0005				
	Level of significance for a non-directional test									
df	.20	,10	.05	.02	.01	.001				
1	1.64	2.71 -	3.84	5,41	6.64	10.83				
2	3.22	4.60	5.99	7.82	9.21	13.82				
3	4.64	6.25 .	7,82	9.84	11.34	16.27				
4	5.99	7.78	9,49	11.67	13.28	18.46				
5	7.29	9.24	11.07	13,39	15.09	20.52				
6	8.56	10.64	12.59	15.03	16.81	22.46				
7	9.80	12.02	14.07	16.62	18.48	24.32				
8	11.03	13.30	15,51	18.17	20.09	20.12				
9	12.24	14.68	16.92	19,68	21.5/	27,88				
10	13,44	12.99	18.31	21,16	23.21	29.59				
11	14.63	17.28	19.68	22.62	24.72	31.26				
12	15.81	18.55	21.03	24.05	26.22	32.91				
13	16.98	19 .8 1	22,36	25.47	27.69	. 34.53				
14	18,15	21.06	23.68	26.87	29,14	36.12				
15	19.31	22.31	25.00	28.26	30.58	37.70				
16	20,46	23.54	26,30	29.63	32.00	39.29				
17	21.62	24.77	27.59	31.00	33.41	40.75				
18	22.76	25.99	28.87	32,35	34.80	42.31				
19	23.90	27,20	30.14	33,69	36.19	43.82				
20	25.04	28.41	31.41	35.02	37.57	45.32				
21	26.17	29.62	32.67	36.34	38.93	46.80				
22	27.30	30.81	33.92	37,66	40.29	48.27				
23	28.43	-32.01	35.17	38,97	41.64	49.73				
24	29.55	33,20	36.42	40.27	42.98	51.18				
25	30.68	34.38	37.65	41.57	44.31	52.62				
26	31.80	35,56	38.88	42.86	45,64	54.05				
27	32.91	36,74	40.11	44.14	46.96	55.48				
28	34.03	37.92	41.34	45,42	48.28	56.89				
29	35.14	39.09	42.69	46.69	49.59	58,30				
30	36.25	40.26	43.77	. 47.96	50,89	59,70				
32	38.47	42.59	46.19	50.49	53,49	62.49				
34	40.68	44.90	48.60	53.00	56.06	65.25				
36	42.88	47.21	51.00	55,49	58.62	6/.99				
38	45.08	49.51	53.38	57,97	61.16	70.70				
40	47.27	51.81	55,76	60.44	63,69	/3,40				
44	51.64	56.37	60.48	65.34	68.71	78.75				
48	55.99	60.91	65.17	70.20	73.68	84.04				
52	60.33	65.42	69.83	75.02	78.62	89.27				
56	64.66	69,92	74.47	79.82	83.51	94,46				
60	68.97	74.40	79.08	84.58	88.38	99,01				

Table F. Critical Values of Chi Square

SOC 201 Supplementary

The table lists the critical values of chi square for the degrees of freedom shown at the left for tests corresponding to those significance levels which head each column. If the observed value of χ_{obs}^2 is greater than or equal to the tabled value, reject H_0 . All chi squares are positive.

Source: Table F is taken from Table IV of Fisher and Yates, *Statistical Tables for Biological, Agricultural and Medical Research*, published by Longman Group Ltd., London (previously published by Oliver and Boyd, Ltd., Edinburgh), and by permission of the authors and publishers.

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chi-square $\chi^2 = \xi \left(\underbrace{O-E}_{F} \right)^2$

Rank order Correlation $3ho = 1 - \frac{620^2}{N(N^2-1)}$

101