



**AFRICA
UNIVERSITY**
A United Methodist-Related Institution

"Investing in Africa's Future"

**COLLEGE OF SOCIAL SCIENCES, THEOLOGY,
HUMANITIES AND EDUCATION**

ELM 528 – RESEARCH METHODS - PGDE ONLINE

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2018

LECTURER: DR. VICTORIA OYEDELE

DURATION: 3HRS

INSTRUCTIONS

1. **ATTEMPT ANY FOUR QUESTIONS**

2. ***ALL QUESTIONS CARRY EQUAL MARK OF 25.***

3. ***ALL RESPONSES SHOULD BE WRITTEN IN THE UNIVERSITY
ANSWER BOOKLET.***

4. ***START A NEW QUESTION ON A NEW PAGE***

QUESTION 1

- (a) With given examples, define qualitative research **(5pts)**
- (b) Describe briefly on the outline of the quantitative research design proposal format **(20pts)**

QUESTION 2

- (a) Define using a classroom example, the term “**Sampling**” in research process. **(7pts)**
- (b) Use an example to discuss two types of sampling. **(8pts)**
- (c) What are the advantages of sampling to a researcher? **(10pts)**

QUESTION 3

Use examples to explain these research concepts:

- (a) Hypothesis **(5pts)**
- (b) References **(5pts)**
- (c) Bibliography **(5pts)**
- (d) Statement of the problem **(5pts)**
- (e) Delimitation of the study **(5pts)**

QUESTION 4

- (a) Define Descriptive research. **(5pts)**
- (b) Describe the methods for collecting data in Descriptive research. **(10pts)**
- (c) Use examples to discuss the 3 types of research designs in descriptive research. **(10pts)**

QUESTION 5

- (a) What is a test of significance?
- (b) A teacher conducted a test in English for 30 boys and 30 girls in two different schools and then set out to determine whether or not the mean scores for the two groups differed significantly. Test the significant

difference between the means at level of 0.05, using the information on Table 1 & Appendix 1 (25pts)

Table 1: Students Performance

	Mean ($\bar{X}$)	Standard deviation (σ) /SD	n
Boys (a)	20	2.5	30
Girls (b)	15	2.0	30

APPENDIX 1 : t – Distribution table

df pr ∞	.25	.10	.05	.025	.01	.005	.001
1	1.000	3.075	6.314	12.706	31.821	63.657	318.309
2	.816	1.886	2.920	4.303	6.966	9.926	22.327
3	.765	1.638	2.353	3.182	4.541	5.841	10.214
4	.741	1.535	2.132	2.776	3.747	4.604	7.173
5	.727	1.476	2.015	2.571	3.365	4.032	5.893
6	.718	1.440	1.943	2.447	3.143	3.707	5.208
7	.711	1.415	1.895	2.365	2.998	3.490	4.785
8	.706	1.397	1.860	2.306	2.896	3.355	4.501
9	.703	1.383	1.838	2.262	2.821	3.280	4.297
10	.700	1.372	1.812	2.228	2.764	3.169	4.144
11	.697	1.363	1.796	2.201	2.718	3.106	4.025
12	.695	1.356	1.782	2.179	2.681	3.055	3.930
13	.694	1.350	1.771	2.160	2.650	3.012	3.852
14	.692	1.345	1.761	2.145	2.624	2.977	3.787
15	.691	1.341	1.753	2.131	2.602	2.947	3.733
16	.690	1.337	1.746	2.120	2.583	2.921	3.636
17	.689	1.335	1.740	2.110	2.567	2.598	3.646
18	.688	1.330	1.734	2.101	2.552	2.878	3.610
19	.688	1.328	1.729	2.093	2.539	2.861	3.579
20	.667	1.325	1.725	2.086	2.528	2.845	3.552
21	.686	1.328	1.721	2.080	2.518	2.831	3.327
22	.686	1.321	1.717	2.074	2.503	2.819	3.505
23	.685	1.319	1.714	2.049	2.500	2.807	3.483
24	.685	1.318	1.711	2.064	2.492	2.797	3.467
25	.684	1.316	1.708	2.060	2.483	2.787	3.450
26	.684	1.315	1.706	2.036	2.479	2.779	3.435
27	.684	1.314	1.703	2.052	2.473	2.771	3.421
28	.683	1.813	1.701	2.048	2.467	2.763	3.405
29	.683	1.311	1.699	2.045	2.462	2.756	3.396
30	.683	1.310	1.697	2.042	2.457	2.750	3.385
40	.681	1.308	1.654	2.021	2.423	2.704	3.307
50	.679	1.299	1.676	2.000	2.405	2.673	3.261
60	.679	1.296	1.671	2.000	2.390	2.660	3.232
120	.677	1.289	1.653	1.980	2.353	2.617	3.160
	.674	1.282	1.645	1.960	2.326	2.576	3.090

Source: Osuala, E. C. (2008). Introduction to Research Methodology. Ibadan: Africana-Fep. Pub.

*** END OF EXAMINATION***