JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY SCHOOL OF EDUCATION

UNIVERSITY DRAFT EXAMINATION FOR MASTER OF EDUCATION

2018/2019 ACADEMIC YEAR Y1S2

KISUMU CAMPUS

COURSE CODE: PSY 808

COURSE TITLE: RESEARCH METHODS II

EXAM VENUE:

DATE: **MODE:**

TIME: **EXAMINATION SESSION:**

Instruction:

Answer question **ONE** (COMPULSORY) and any other **TWO** questions.

1 (I) Discuss FIVE assumptions underlying the use of ANOVA (10 mks)

(ii) Explain FIVE characteristics of a normal curve (10 mks)

(iII) The data below were obtained from an independent measures study designed to measure the effectiveness of three pain relievers, A, B, and C. A fourth group was also tested. Was there any significant differences among the four groups? (10 mks).

Placebo	Drug A	Drug B	Drug C
0	0	3	8
0	1	4	5
3	2	5	5

2. (a) State THREE assumptions underlying the use of independent samples t-test (3 mks).

(b) A psychologist had two groups and gave them a memory test, then recorded the number of words correctly recalled for each individual. On the basis of the data, can the psychologist conclude that there are differences between two groups? (12 mks).

Group 1	Group 2
24	18
23	19
16	23
17	29
19	30
13	29
17	31
20	26
15	21
26	24

3. Discuss the procedure/ Steps in hypothesis testing (15 mks)

4. (a) Explain the THREE requirements for using pearson correlation, r (3 mks).

(b). The following scores were obtained in depression test and anxiety test respectively.

Depression test	**Anxiety test scores(y)**

scores(x)	
60	58
70	74
85	88
45	40
75	72
38	35
78	70
61	69
77	71
68	68

Using, Spearman rank correlation, determine, the relationship between the two sets of scores. Interpret the value obtained (12mks).

END