KIBABII UNIVERSITY COLLEGE

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UNIVERSITY REGULAR EXAMINATIONS

2014 /2015 ACADEMIC YEAR

1ST YEAR 1ST SEMESTER EXAMINATIONS

MAIN

2 HOURS

DIPLOMA IN SOCIAL WORK AND COMMUNITY DEVELOPMENT

COURSE CODE: DCR 064/DSC 064

COURSE TITLE: SOCIAL STATISTICS

DATE: DECEMBER, 2014 **TIME:**

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INSTRUCTION TO CANDIDATES

Answer Question ONE and any other TWO Questions

1. (a) Differentiate between
    i)   Population and sample (2mks)
    ii)   Descriptive and Inferential Statistics (2mks)
    iii)   Primary and Secondary data (2mks)
    iv)   Cluster and stratified sampling (2mks)

   (b) Explain by use of relevant examples the application of social statistics in social sciences(12mks)

   (b) What are the advantages of suing primary data over secondary data in social research (10mks)

2. By use of grouped data below, calculate
   (a) Modal class (2mks)
   (b) Median   (6mks)
   (c) Mean   (2mks)

X	f
1 – 15	4
16 – 30	1
31 – 45	7
46 – 60	9
61 – 75	2
76 – 90	5
91 – 105	2

3. Kenyans voted for the new constitution overwhelmingly, the following is a table showing the voting patterns among male and female in a given village

GENDER	VOTING PATTERNS	
	YES	NO
MALE	8	18
FEMALE	10	14

Calculate the chi-square value

4. A lecturer at Nairobi Institute of Open Learning administered statistics and research methods examinations and obtained results in the table below

Statistics	Research Methods
8.5	5.8
4.3	3.6
5.6	4.0
2.2	1.5
6.5	6.3
8.2	7.5
9.7	8.0
1.0	2.2
3.5	3.1
5.0	3.0

Required

Calculate rxy

5. (a) Discuss the various types of measurement scales in social statistics and show their importance in data analysis.
   (b) Calculate variance and standard deviation of

X	f
2	1
5	2
6	1
7	1
8	1

6. (a) The following is a table showing marks in a given a exam

Marks	Frequency
2 – 4	2
5- 7	4
8 -10	6
11- 13	12
14 – 16	7
17 -19	6
20 -22	4
23 – 25	3
26 – 28	1
29 – 31	1

Required
From the data, draw frequency polygon (10mks)

       (b) As social researcher what are key things you are supposed to put in place
            before proceeding for actual data collection exercise (10mks)