

MAASAI MARA UNIVERSITY

**REGULAR UNIVERSITY EXAMINATIONS**

**2016/2017 ACADEMIC YEAR**

**SECOND YEAR FIRST SEMESTER**

**SCHOOL OF BUSINESS AND ECONOMICS**

**BACHELOR OF ARTS IN ECONOMICS**

**COURSE CODE: ECO 218**

**COURSE TITLE: RESEARCH METHODOLGY**

**DATE: 3RD JULY 2017 TIME: 14:30 – 16:30**

**INSTRUCTIONS TO CANDIDATES**

Answer Question **ONE** and any other **THREE** questions

*This paper consists of* ***THREE*** *printed pages. Please turn over.*

**QUESTION ONE**

(a) What is research **(5marks)**

(b) What is the motivation in research **(10marks)**

(c) Senior management of a car company wishes to know if there is any difference in output between two of their companies. Output is monitored for 30days chosen at random with the following results:

|  |  |  |
| --- | --- | --- |
|  | Factory 1 | Factory 2 |
| Average daily output | 420 | 408 |
| Standard deviation of daily output | 25 | 20 |

Does this table show sufficient evidence of a real difference between the output of the two factories (test at 1% level of significance) **(10marks)**

**QUESTION TWO**

(a) Discuss the purpose of literature review **(10marks)**

(b) Explain the difference between research methods are research methodology **(5 marks)**

**QUESTION THREE**

(a) Explain the characteristics of a good hypothesis **(8marks)**

(b) Explain the possible causes of error in hypothesis testing **(7marks)**

**QUESTION FOUR**

(a) The following is the score for the students taking economics at Maasai Mara University:

|  |  |
| --- | --- |
| **GRADE** | **NUMBER OF STUDENTS** |
| 75-76 | 3 |
| 77-78 | 24 |
| 79-80 | 51 |
| 81-82 | 60 |
| 83-84 | 74 |
| 85-86 | 62 |
| 87-88 | 53 |
| 89-90 | 32 |
| 91-92 | 23 |
| 93-94 | 14 |
| 95-96 | 6 |

1. Calculate the mean score for the students **(5marks)**
2. Calculate the standard deviation for the score **(5marks)**

(b) Highlight significance of research **(5marks)**

**QUESTION FIVE**

(a) Suppose that the data on educational achievement and employment status were obtained from a sample of 1002 people as follows:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Higher education | A-level | Other qualification | No qualification | **Total** |
| In work | 222 | 153 | 302 | 70 | **747** |
| Unemployed | 6 | 6 | 19 | 8 | **39** |
| In-active | 26 | 37 | 84 | 69 | **216** |
| **Total** | **254** | **196** | **405** | **147** | **1002** |

Test whether there is an association between education and employment status using 5% significance level for the test **(10marks)**

(b) Explain the difference between theoretical literature and empirical literature **(5marks)**

**//END**