



MACHAKOS UNIVERSITY

University Examinations 2017/2018

SCHOOL OF EDUCATION

DEPARTMENT OF EDUCATIONAL PSYCHOLOGY, SPECIAL NEEDS EDUCATION
AND EARLY CHILDHOOD EDUCATION

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR BACHELOR OF
EDUCATION (SPECIAL NEED EDUCATION)

ECE 414: RESEARCHES IN CHILDREN AND FAMILY STUDIES II

DATE: 13/12/2017

TIME: 2.00-4.00 PM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

- | | | | |
|----|----|---|------------|
| 1 | a) | Explain what is a research | (2 marks) |
| | b) | Describe what is a statement of the problem in research | (3 marks) |
| | c) | Differentiate between a research objective and a research question | (4 marks) |
| | d) | Explain what is data in research | (2 marks) |
| | e) | Demonstrate the difference between quantitative approach and qualitative approach in research | (4 marks) |
| | f) | State four sources of research problems | (4 marks) |
| | g) | Outline the order of referencing a book | (5 marks) |
| | h) | Explain what plagiarism in academic writing is | |
| | i) | Describe the meaning of a sample size in research | (3 marks) |
| 2. | a) | State four characteristics of a good research problem | (4 marks) |
| | b) | Discuss challenges one is likely to face in identifying a research problem | (16 marks) |
| 3. | | Explain the four probability sampling techniques | (20 marks) |
| 4. | | Juma gave a test to 30 learners in class in number work | |

9	18	15	13	14
15	17	16	11	15
14	11	13	10	13
12	12	15	14	14
16	10	14	15	16
12	10	17	14	10

a) Present the above data in tallies as frequency distribution (5 marks)

b) Present the scores in frequency as percentages (5 marks)

c) Draw a histogram to represent the performance in the number work (10 marks)

5. Use the following raw scores to calculate

a) The mean (10 marks)

b) The median (10 marks)

Raw scores – 4, 8, 12, 16, 20 24, 28, 32, 36, 40