



KENYATTA UNIVERSITY

UNIVERSITY EXAMINATIONS 2011/2012

INSTITUTIONAL BASED PROGRAMME (IBP) – DECEMBER SESSION
EXAMINATION FOR POSTGRADUATE DIPLOMA IN FOODS, NUTRITION &
DIETETICS

HFN 711: STATISTICS AND RESEARCH METHODS

DATE: Thursday 3rd May 2012

TIME: 2.00p.m – 5.00p.m

INSTRUCTIONS: Answer ALL questions

1. Describe three types of random sampling. [6marks]
2. Discuss the six reasons as to why undertaking research is important. [6marks]
3. Describe and give examples of the various levels of measurements. [8marks]
4. Discuss four ways of ethical considerations in research. [8marks]
5. A research was conducted among caregivers under five children. From the results the ages of the caregivers are as shown

21,	26,	32,	37,	43,	46,	25,	27,	33,	36,	44,	47,	22,	27,	34,	38,	41,
47,	23,	29,	35,	37,	42,	46,	24,	30,	34,	39,	45,	27,	31,	40	38,	

i) Calculate

- a) Range [4marks]
- b) Class limit [4marks]
- c) Class interval [2marks]

ii) Using 6 classes, draw a frequency distribution table for the weights of caregivers.

[4marks]

Then calculate:

- a) Mean. [4marks]
- b) Medium [4marks]
- c) Mode [4marks]
- d) Standard deviation. [6marks]