

Mount Kenya University



UNIVERSITY EXAMINATION 2013/2014

SCHOOL OF EDUCATION
DEPARTMENT OF EDUCATIONAL PSYCHOLOGY AND FOUNDATIONS

POSTGRADUATE DIPLOMA IN EDUCATION
BACHELOR OF EDUCATION
REGULAR

UNIT CODE: BEP2201/GEP5202

UNIT TITLE: GUIDANCE AND
COUNSELING IN EDUCATION

DATE: APRIL/MAY 2014

MAIN EXAM

TIME: 2 HOURS

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS

1. a) Define the following terms:
 - i) Guidance. (2 Marks)
 - ii) Counselling. (2 Marks)
 - iii) Counselee. (2 Marks)
- b) Explain five principles of guidance and counseling. (10 Marks)
- c) Identify any six areas of guidance among secondary school students in Kenya. (6 Marks)
- d) Explain the meaning of the following concepts used in counseling:
 - i) Informed consent. (2 Marks)
 - ii) Confidentiality. (2 Marks)

- e) State four guidance techniques that teachers should use when getting children to play. (4 Marks)
2. a) State the five pillars of an effective guidance and counseling programme in schools. (5 Marks)
- b) Explain the common activities in the guidance and counseling programs in Kenya schools. (10 Marks)
- c) Give the types of information that should be found in the students' record sheets in the guidance and counseling office a school. (5 Marks)
3. Describe the five main stages in the process of counseling. (20 Marks)
4. a) What are the aims of guidance and counseling in schools? ✓ (6 Marks)
- b) Identify important survival skills that were give to the youth during guidance in the traditional African societies. (8 Marks)
- c) Identify some personal common problems that would require guidance and counseling among students in secondary school. (6 Marks)
5. Describe the techniques in counselor should use in order to become effective in his work. (20 Marks)

deviation of 8.9 years does this seem to indicate that the average lifespan today is greater than 70 years at 1% level of significance?

(6 Marks)

c) Define the following terms;

- i) An estimator
- ii) Interval estimate
- iii) sample
- iv) Critical region

3. a) The heights of military recruits into the army in centimeters were as follows.

162	140	152	150	153	(191)	181	<u>183</u>
152	172	131	151	<u>180</u>	182	187	163
<u>182</u>	162	171	141	(125)	132	172	<u>140</u>
142	172	141	161	161	181	182	173
172	152	160	151	161	135	142	<u>180</u>

Required:

- i) Group the above data into seven classes (5 Marks)
- ii) Calculate cumulative frequency, the median value, quartile values and the semi quartile range. (6 Marks)
- iii) Calculate the mean and standard deviation of your frequency distribution. (7 Marks)
- iv) Compare and contrast the values that you have obtained for:
 - i) The median and mean
 - ii) The semi interquartile range and the standard deviation. (2 Marks)

4. a) Define the terms; (2 Marks)
- i) Binomial distribution
 - ii) Bernoulli trial

b) Write down four assumptions of binomial distribution. (4 Marks)

c) A medical survey was conducted in order to establish the proportion of the population which was infected with cancer. The results indicated that 40% of the population were suffering from the disease. A sample of 6 people was later taken and examined for the disease. Find the probability that the following outcomes were observed. (10 Marks)

- i) Only one person had the disease
- ii) Exactly two people had the disease
- iii) At most two people had the disease
- iv) At most two people had the disease
- v) Three or four people had the disease.

b) Give five reasons for using sampling as opposed to census. (4 Marks)

5. a) Explain what is meant by test of independence of attributes using the Chi square test and write down the steps required to test hypothesis on attributes. (10 Marks)

b) In a sample of 200 people where a particular disease was selected, 100 were given a drug and the others were not given any drug. The results were as follows;

	Drug	No drug	Total
Cured	65	55	120
Not cured	35	45	80
Total	100	100	200

Test whether the drug will be effective or not, at 5% level of significance. (10 Marks)