



Public Health Department

Term Exam 23 /1/2017

Time allowed (2hour) (40 Marks)

I. Short Essay question

1. Give short account on (8 marks)
 - a. Data collection sources
 - b. Case-control study
2. Mention briefly (6 marks)
 - a. Types of variables
 - b. Criteria of good screening test
3. Enumerate probability sample techniques and discuss one (6 marks)
4. Define (4marks)
 - a- Standard deviation
 - b. Relative risk

II. Exercise

6 marks

Seven infants in the 1st year of life whose weights were 9, 11, 9, 12, 7, 13, 9

Calculate: Measures of Central Tendency and Dispersion.

III. Multiple choice questions

A. put T for correct answer or F for wrong answer (8marks)

1. Cohort study is the optimal design for studying rare exposure
2. Low prevalence of health problem in a study requires small sample size
3. Median is one of central tendency measures affected by extreme values
4. Qualitative data parameters that relate part to part is called proportion
5. Short ended questions in questionnaire are easily analyzed in comparison with open ended questions
6. Bar chart and pie chart are graphs used in presenting quantitative variables
7. Incidence rate can be calculated from cross-sectional study
8. Clinical trial is an analytical study

B. Multiple Choice Questions 2 marks

1. The following are measures of variation of a set of data
 - a. mean and standard deviation
 - b. median and quartiles
 - c. range and standard deviation
 - d. midrange and range
2. The strongest analytical study design is
 - a. Descriptive study
 - b. cross-sectional study
 - c. cohort study
 - d. case-control study

Good Luck