20

CHS 334: Epidemiology 1

Second midterm Exam (Student Model)

Time allowed: (45 minutes)   Date: /1434

الاســـــــــم: ---   الرقم: --

Please write True or False between brackets and correct the false question (s) by underlining the false word(s) and write it (them) under each question. Non corrected false question (s) will be given zero: (marks)

1. Point prevalence is a proportion of individuals with a disease in a specified population at certain day
2. The shorter the duration, the higher will be its prevalence rate
3. In cohort studies, individuals are assigned to a group and the exposure is forced upon them
4. Cases occur within more than one incubation period of the disease in case of propagated epidemics while in point source epidemics, the case occur within one incubation period
5. Attack Rate measures the frequency of new cases of a disease among the contacts of known cases
6. Retrospective cohort begins in the past and continue to the present
7. During calculating the odds ratio, if the result =1, it means that no relation between exposure and disease

Please circle the correct answer: (marks)

1. Number of deaths due to a certain disease in a certain year and certain locality/ Number of cases of the same disease for the same year and same locality x100 is the:
   a) Cause-Specific Death Rate
   a) Infant Mortality Rate
   b) Crude Death Rate
   c) Case-Fatality Rate
2. It is a biologically inactive substance given to the control group so that they think they are being treated
   a) Blinding
   b) Placebo
   c) Experimental study
   d) Complement
3. A disease that occurs occasionally at irregular intervals is called:
   a) Sporadic
   b) Endemic
   c) Hyperendemic
   d) Pandemic
4. Birth data is essential for calculating the following rates ***except***
   a) Infant mortality rate
   b) Crude fertility rate
   c) Crude death rate
   d) Maternal mortality rate
5. A descriptive observational study of a series of similar cases having an unusual disease is:
   a) Case control study
   b) Cohort study
   c) Case Series Report
   d) Case Report

Please fill the empty space with the correct word (s):   **(marks)**

1. The two observational epidemiologic studies are -------------------- and -------------- studies

2. ------------------------------- is an experimental study where the study group is the community

3. Sources of epidemiological data are **(1)** --------------------------------------- **(2)** ---------------------------
   (3) ------------------------------ **(4)** ----------------------------- **(5)** --

The following table shows the results of a cohort study investigating the correlation between hypertension and salt consumption

	Hypertension Patients	Normotensive	Total
High salt diet	180	20	200
Low salt diet	40	200	240
Total	220	220	440

Find the followings:

incidence of hypertension among those on high salt diet

incidence of hypertension among those on low salt diet

Relative Risk (Risk ratio) =

Interpretation of Relative Risk

Attributable risk percent

Interpretation of Attributable risk percent