**Grand Assignment**

**DPT 6th semester**

**Course Title: Teaching Methodology and community medicine**

**Instructor: Dr. M. Shahzeb khan (PT)**

**Marks: 20**

NAME:- sidra

Roll no :14115

**Note:**

**INTERNAL ASSESSMENT MARKS WILL BE GIVEN ON BASIS OF GRAND ASSIGNMENT**

**Topics**

**Q1:** How will you conduct “Case Control study”

Explain it with Example??

Ans:- CASE CONTROL STUDY:-

Is an analytical observational study which has a comparison group.

Study group of case control are defined by outcome.case control is the most efficient design in term of time ,money,and effort.case control is also efficient in the investigation of diseases that have a long latency period .this study are useful to rare diseases and this is also study multiple risk factors exposures .no need of follow up.case control study is basically a retrospective study.comparing the diseases of group vs non disease group and it's also looking for exposure or risk factor . looking to eastiblish association.

Exmaple:-

Exposure of smoking

It's mean that smoking cause the lungs cancer in the body are not or in other words lung cancer present or absent in the human body.

**Q2:** How will you conduct “Cohort study”

Explain it with Example

Ans:-COHORT STUDY:-

Tracks two or more groups forward from exposure to outcome.This study group are defined by exposure .the best way to ascertain both the incidence and natural history of a disorder.it is useful in investigation of multiple outcomes that might arise after a single exposure.cohort study are also useful in the study

Of rare exposure .its also reduce the risk of survivor bias.its also calculation of incidence rates ,relatives risks and contidence interval .it can be eastiblish risk directly and is not good for the rare disease.cohort study is prospective study .it also compared the exposed of group Vs non exposed group .Asking did exposure change ,liklehood of disease .it's also looking to eastiblish the association.

EXMAPLE:-

Best example of cohort study is Nurses health .

Sociological reasearch also include birth cohorts.

ALL THE STUDENTS ARE REQUESTED TO UPLOAD YOUR ASSINGMENT BEFORE FINAL TERM EXAM