

**Answer All The Questions****10 X 10 = 100 Marks**

1. Discuss the basic steps involved in design of cohort study.
2. Define research. Write down different types of research.
3. What do you mean by research design?
4. What is research problem? Explain the components of research problem.
5. Define epidemiology and state aims of epidemiology.
6. What do you understand by validity and specificity of screening test?
7. Describe uses and types of screening.
8. 200 typhoid patients were selected for study and divided into two groups. First group consisting 120 were given Ofloxacin 400 mg two times in a day and second group consisting 80 were give Ofloxacin 200mg two times in a day for 10 days. Following are the cure rates. Find whether any significant difference between two therapeutic regimens

	Cured	Not Cured	Total
Ofloxacin 400mg	110	10	120
Ofloxacin 200 mg	72	8	80
Total	182	18	200

9. Define relative and attributable risk and how they are calculated.
10. What is main difference between cohort and case-control studies?

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