

**FIELD EPIDEMIOLOGY**

**PAPER – II**

FED/D/13/50/II

Time : 3 hours

Max. Marks : 100

**Important instructions:**

- Attempt all questions in order.
- Each question carries 10 marks.
- Read the question carefully and answer to the point neatly and legibly.
- Do not leave any blank pages between two answers.
- Indicate the question number correctly for the answer in the margin space.
- Answer all the parts of a single question together.
- Start the answer to a question on a fresh page or leave adequate space between two answers.
- Draw table/diagrams/flowcharts wherever appropriate.

1. Define surveillance. Differentiate between active and passive surveillance. Explain in detail the sentinel surveillance used in HIV/AIDS programme. 2+2+6
2. Write in brief about non-random sampling. What is Lot Quality Assurance (LQA) sampling? In which situation such technique apply and how? What are the advantages and disadvantages of LQA sampling? 3+2+2+3
3. What are non-parametric tests of significance? Classify and enumerate these tests and briefly discuss non-parametric tests of significance for nominal data. 3+2+5
4. Define vital statistics. List and describe the sources of vital statistics. Write in brief the uses of vital statistics. 2+5+3
5. Discuss how Information Technology can be used in health system, with suitable examples. 10
6. Write in brief about the development of health care system in India as a result of recommendation of expert groups since Independence. 10
7. List the important Non-Governmental Organizations in health care. Write role of four such organizations working in health in India. 2+8
8. Discuss the role of National Rural Health Mission (NRHM) in providing comprehensive health care in India. Write briefly strength and weakness of NRHM. 6+4
9. Define Primary Health Care. List and briefly write about principles of primary health care. Write functions of primary health centre. 2+4+4
10. Write in brief the structure and functions of rapid response team of the district in epidemic prevention and control. 2+8

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