

Government of India  
**National Institute of Public Health Training and Research, Mumbai**  
**Post Graduate Diploma in Community Health Care (Batch XII- 2021-22)**  
**Second Semester – Mock Examination**

**Paper V: Demography, Population dynamics, Health Care Management, Bio Statistics**  
**& Research Methods, HMIS & Health Economics**

**Date: 10/03/2022**

**Time: 11.00am to 2.00 pm**

**Total Marks – 100**

**Part-I**

**(60 Marks)**

**Q. 1. Compulsory to attempt.**

- (A) What is Sampling? Describe any two Sampling methods briefly. (10 Marks)
- (B) Define Demography. What are the factors affecting demographic and population process? (10 Marks)

**Q. 2. Attempt any Two.**

- (A) What is Health Management? Enumerate different management issues in Health care delivery services. (10 Marks)
- (B) Describe the different ways of Diagrammatic presentation of data. (10 Marks)
- (C) What are the different types of Interviews? Write the various interview techniques. (10 Marks)

**Q. 3. Attempt any Two.**

- (A) Define Mean, Median and Mode. Calculate Mean, Median for following data –

Sr. No.	1	2	3	4	5	6	7	8	9
Price (Rs)	25	36	45	36	42	59	10	20	29

(10 Marks)

- (B) Write differences between
- i) Qualitative and Quantitative data
  - ii) Primary and Secondary data
  - iii) Schedule & Questionary
- (10 Marks)
- (C)
- i) Define Statistics? Describe usefulness and applicability of Statistics.
  - ii) Explain Conflict and Inventory management.
- (10 Marks)

**PART- II**

**40 Marks**

**Q. 4. Write short Notes on: (Any five) (8 Marks each)**

- a) Methods of Presenting tables
- b) Steps in Analysis of data
- c) HMIS
- d) Cost Effective and Cost Benefit analysis
- e) Rates & Ratio
- f) Sources of Demographic data
- g) Principle of Record maintenance
- h) Population Dynamics and its impact