

Govt. of India
National Institute of Public Health Training and Research, Mumbai.
Diploma in Health Promotion Education (Batch- XXXIV 2020-21)
First Semester Exam

PAPER III - RESEARCH METHODS, STATISTICS & DEMOGRAPHY

DATE-16/12/2020

TIME: 11 am – 2 pm

TOTAL MARKS: 100

PART - I

(60 Marks)

Q-1 is compulsory to attempt

each question carries 10 marks.

- (A) Enumerate various qualitative methods of data collection. Describe Focus Group Discussion. (10marks)
- (B) Discuss the various techniques which one should keep in mind while conducting an interview. (10marks)

Q- 2 Attempt any two of the following:

- (A) Define Demography. Describe briefly the stages of demographic cycle. (10marks)
- (B) Explain the reasons for the high fertility rate in India. (10marks)
- (C) The following table has shown the age distribution of cancer deaths in hospital. Calculate Mean, Median and Mode age. (10marks)

Age (Yrs.)	15-24	25-34	35-44	45-54	55-64
Cancer deaths	15	20	25	30	10

Q- 3 Attempt any two of the following:

- (A) Differentiate between-
i. Case-control study and Cohort study, ii. Monitoring and Evaluation. (10marks)
- (B) Briefly describe the different Steps involved in research process. (10marks)
- (C) Describe the sampling? Describe any two sampling methods in brief. (10marks)

PART - II

(40 marks)

Q4- Write Short Notes on: (any 5)

(8 Marks each)

- a. Measures of mortality
- b. Difference between Interview Schedule and Questionnaire.
- c. Write a note on Normal Distribution & its characteristics.
- d. Co-relation
- e. Factors affecting migration
- f. Unmet needs for contraception
- g. Difference between Rates and Ratios with example
- h. Give the formula for followings Rates:
 - i. CBR
 - ii. CDR
 - iii. IMR
 - iv. GFR