

Reg. No.....

**First Year MPH Degree Examinations October 2018**

**Paper I – Introduction to Basic Medical Sciences, Health Systems,  
Health and Development & Health and Environment**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all the questions
- Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B

**QP Code:101314**

**Max Marks: 50**

**Section A – Introduction to Basic Medical Sciences, Health Systems**

**Short Essays:**

**(2x10=20)**

1. Describe immunity. Explain various types of immunity
2. Discuss the main recommendations of the Bhole committee report and its role in shaping India's health care delivery.

**Short notes:**

**(6x5=30)**

3. Internal ear
4. Digestive system
5. Disease transmission
6. Health for all by 2000 AD
7. National health mission
8. National vector borne disease control programme

**QP Code:102314**

**Max Marks: 50**

**Section B – Health and Development & Health and Environment**

**Short Essay:**

**(2x10=20)**

1. Discuss the major social determinants of health and their role in influencing accessibility and availability of health care
2. Explain climate change; its causes, effects on environment and public health

**Short notes:**

**(6x5=30)**

3. Globalization and health
4. Health impact assessment
5. Policies to enhance equity in health
6. Effects of air pollution on human health
7. Noise pollution. Describe ways to prevent noise pollution in occupational setting.
8. Environmental health hazards

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**Paper II – Introduction to Epidemiology, Basic Biostatistics, Quantitative and Qualitative Research Methods**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all the questions
- Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B

**QP Code:103314**

**Max Marks: 50**

**Section A – Introduction to Epidemiology & Basic Biostatistics**

**Short Essays:**

**(2x10=20)**

1. Describe cohort study. What are the major advantages and disadvantages of a cohort study.
2. Principles of statistical data analysis

**Short Notes:**

**(6x5=30)**

3. Describe relative risk and attributable risk (using 2 x 2 table).
4. Define prevalence and incidence (with types and examples)
5. Types of observational study designs
6. Scales of measurement
7. Normal distribution
8. Hemoglobin (Hb) levels of 10 leukemia patients are given below. Calculate the mean and standard deviation of Hb

	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5	Patient 6	Patient 7	Patient 8	Patient 9	Patient 10
Hb (g/dl)	8	6.2	10.8	12	13.8	4.6	7.2	8.8	10.2	11

**QP Code:104314**

**Max Marks: 50**

**Section B – Quantitative and Qualitative Research Methods**

**Short Essay:**

**(2x10=20)**

1. Discuss data collection tools used in quantitative research
2. Discuss the relevance of qualitative methods in public health research.

**Short Notes:**

**(6x5=30)**

3. Define sampling. Describe random and stratified sampling techniques
4. Criteria of good research question (FINER)
5. Literature review
6. Participant observation
7. Steps in qualitative analysis
8. What are the various types of In-depth interviews in health research.

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**First Year MPH Degree Examinations October 2018**

**Paper III – Health Management and Communication, Ethics in Public Health and Research, Gender Issues and Anthropological Perspectives in Health**

**Time: 3 Hours**

**Max Marks: 100**

- Answer all the questions
- Write Section A and Section B in separate answer books. Do not mix up questions from section A and section B

**QP Code:105314**

**Max Marks: 50**

**Section A – Health Management and Communication & Ethics in Public Health and Research**

**Short Essay:** (2x10=20)

1. Discuss the importance of planning and list the steps in planning.
2. What are the essential elements of an Informed consent.

**Short notes:** (6x5=30)

3. Conflict management
4. Principles of management
5. Time management
6. Basic ethical principles for conducting bio-medical and health research
7. Vulnerable individuals in the context of human subject protection
8. Conditions for an expedited review of a research proposal by the ethics committee

**QP Code:106314**

**Max Marks: 50**

**Section B – Gender Issues & Anthropological Perspectives in Health**

**Short Essay:** (2x10=20)

1. Discuss RCH program from a gender perspective
2. Discuss structural and functional approach in Anthropology and their influence on health research

**Short notes:** (6x5=30)

3. Gender dimensions in health with respect to non-communicable diseases
4. Female Health Workers
5. Gender Analysis
6. Tribal health
7. Ethnography in Public health
8. Concept of health culture and their applications in public health

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