

MANIPAL UNIVERSITY**MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2017**
SUBJECT: PAPER I: HISTORY OF PUBLIC HEALTH, CONCEPTS IN COMMUNITY
MEDICINE AND EPIDEMIOLOGY

Monday, April 03, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Discuss National Vector Borne Disease Control program. Critically review the strategies of Malaria control & suggest measures for further improvement.

(15 marks)

2. Describe with examples, various types of Biases in Epidemiological Studies. Discuss the measures to reduce biases.

(15 marks)

3. **Short Questions:**

3A. State's responsibility of Health

3B. Receiver operator characteristic curve (ROC)

3C. Integrated Counseling Testing Centers

3D. Evidence based Medicine

3E. Principles of Primary Health Care

3F. Describe the core indicators for monitoring the progress of Leprosy control

3G. Briefly describe the Strategies under National Program for control of Diabetes, Cardiovascular Disease and Stroke (NPCDCS)

3H. Non randomized control trial

3I. Briefly explain the strategies of Tuberculosis control at a District level

3J. Criteria for establishing causal association

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2017****SUBJECT: PAPER II: HEALTH SERVICES MANAGEMENT**

Tuesday, April 04, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Critically analyse the hierarchy of health system in India. (15 marks)
2. Discuss the strategies under the RCH phase II and analyse its impact on maternal and child health statistics. (15 marks)

3. **Short Questions:**

- 3A. Review the status of Primary Health Centres based on IPHS criteria.
- 3B. 'Registration of Births and Deaths' is an important source of health information in India. Comment.
- 3C. Role of ASHA in NRHM: benefits and drawbacks.
- 3D. Birth control vaccine.
- 3E. Role of International organisations in control of communicable diseases.
- 3F. Adolescents schemes in ICDS.
- 3G. Discuss the process carry out a sanitation drive in a remote village in Karnataka.
- 3H. Disaster mitigation.
- 3I. Discuss the status and rationale of Universal Health coverage in India.
- 3J. Intersectoral coordination in MCH services.

(7 marks × 10 = 70 marks)



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MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2017
SUBJECT: PAPER III: NUTRITION, ENVIRONMENTAL HEALTH AND DEMOGRAPHY

Wednesday, April 05, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Question:**

1. Describe Nutritional Anemia in India with respect to following:

1A. Magnitude of the problem

1B. Causes & associated factors

1C. Measures implemented for prevention & control

1D. Critically review the control measures applied

(15 marks)

2. Discuss the problem of air pollution in India. Suggest preventive & control measures. Mention the legislative measures currently available.

(15 marks)

3. **Short Questions:**

3A. Genetic counseling

3B. Causes & preventives measures for Lead Poisoning.

3C. Roles & responsibilities of Disaster Management Cell.

3D. Suggest measures for solid waste management in small towns.

3E. Briefly describe the features of Prevention of Food adulteration act. Mention the roles & responsibilities of Food inspector under the act.

3F. Ergonomics

3G. Demographic transition

3H. Non parametric tests of significance

3I. Mention environment health legislations in India. Outline the features of biomedical waste rules, 1998.

3J. Factors affecting fertility rate

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY**MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2017****SUBJECT: PAPER IV: MENTAL HEALTH AND HEALTH TECHNOLOGY**

Thursday, April 06, 2017

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Describe the commonly encountered mental health problems among the geriatric age group. Identify methods to control this problem.

(7½ + 7½ = 15 marks)

2. In your capacity as an adviser to the ministry of health research, design a study to identify the effectiveness of a new drug for treating falciparum malaria.

(15 marks)

3. **Short Notes:**

3A. Describe the importance of statistical tests of significance in research.

3B. Significance of micro teaching in Pedagogy.

3C. Discuss the utility of census as a source of health information.

3D. Role of remote sensing in vector borne diseases.

3E. Identify methods that can be used to enhance the reliability of the sputum smear test for tuberculosis.

3F. Life style factors and its role in diseases of public health importance in India.

3G. Strategize an Information, Education, Communication (IEC) initiative for the uptake of breast cancer screening.

3H. Health services are underutilized by women in India. Comment on this statement.

3I. Application of mobile phones in disease prevention and control.

3J. Illustrate with examples how social gradient can impact health & disease.

(7 marks × 10 = 70 marks)

