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MANIPAL UNIVERSITY

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER I: HISTORY OF PUBLIC HEALTH, CONCEPTS IN COMMUNITY
MEDICINE AND EPIDEMIOLOGY

Wednesday, April 01, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay questions:

1. Describe how India became Polio free in 2014. What are the future challenges after Polio eradication?

(15 marks)

2. Mention the burden & causes of blindness in India. Discuss the strategies to control Blindness. Add a note on Vision 2020.

(15 marks)

3. Short questions:

3A. Write briefly about interventions to control HIV – AIDS in India.

3B. Elements of Primary Health Care

3C. Investigation of a food poisoning outbreak

3D. Briefly discuss about Disease surveillance in India.

3E. Human Development index

3F. Discuss measures to control reservoir of infection with suitable examples.

3G. Indicators of Morbidity

3H. Determinants of Health

3I. How would you Evaluate a Screening Programme?

3J. Briefly describe the dimensions of Health.

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER II: HEALTH SERVICES MANAGEMENT

Thursday, April 02, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays.

1. Discuss the causes for under-five mortality in India and its trend over the last decade. Assess the various child health initiatives that have had an impact on the trend.

(15 marks)

2. Identify the specific prevention measures adopted in the 4th phase of the National AIDS Control Programme (NACP). Discuss the strategies for optimal implementation of these measures.

(15 marks)

3. Write short notes on:

3A. Discuss operational research techniques used in health care.

3B. Disease notification initiatives by the government of India.

3C. Identify the role of gender issues in delivering healthcare to the adolescent girl.

3D. Justify the significance of the world health day theme “ageing and health” in the context of India’s demography.

3E. Inventory control in healthcare settings.

3F. Discuss the strategies to control cataract blindness under the aegis of the national programme for control of blindness.

3G. Discuss out of pocket payments in the context of healthcare in India.

3H. Discuss the objectives of a school health programme.

3I. Strategies for providing essential newborn care in the community.

3J. Role of international agencies in providing healthcare in India.

(7 marks × 10 = 70 marks)



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MANIPAL UNIVERSITY

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER III: NUTRITION, ENVIRONMENTAL HEALTH AND DEMOGRAPHY

Saturday, April 04, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Essays.

1. Identify the rationale of nutritional surveillance and examine the various methods used for this purpose.

(15 marks)

2. A high intensity cyclone has hit the south east coast of India. If you were to lead a disaster management team to the area, what will be your plan of action?

(15 marks)

3. Write short notes on:

3A. Relevance of dependency ratio on health

3B. Rationale of segregating bio hazardous waste at the point of generation

3C. Demographic significance of family size and the factors affecting it

3D. Illustrate the significance of sample size in designing epidemiological studies

3E. Significance of Couple Protection Rate in family planning services

3F. Role of food fortification in public health nutrition

3G. Discuss the key elements in the surveillance of drinking water quality

3H. Occupational risk of health care providers

3I. Environmental factors that aid in the spread of malaria

3J. Discuss the application of Kaplan Meier Survival Curve in Medical Sciences

(7 marks × 10 = 70 marks)



MANIPAL UNIVERSITY

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2015

SUBJECT: PAPER IV: MENTAL HEALTH AND HEALTH TECHNOLOGY

Monday, April 06, 2015

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long questions:

1. Discuss the problem of mental health in India. Describe how will you plan & implement a mental health programme in a District.

(15 marks)

2. Describe various types of Rehabilitation. Discuss Community Based Rehabilitation with examples.

(15 marks)

3. Short questions:

- 3A. Sampling techniques in Health science research
- 3B. Community participation in Disease control
- 3C. Medical Anthropology
- 3D. Meta analysis
- 3E. Writing a Research protocol
- 3F. Epidemiology & prevention of drug dependence
- 3G. Role play
- 3H. Continuous Medical Education Program
- 3I. Role of Behavioral sciences in Health and Disease
- 3J. Approaches to Health Education

(7 marks × 10 = 70 marks)

