MANIPAL UNIVERSITY

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – OCTOBER 2016

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

Monday, October 17, 2016

Time: 14:00 – 17:00 Hrs.   Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay Questions:

1. What is Experimental Epidemiology? Describe in detail steps in conducting Randomized Controlled Trials.

(15 marks)

2. Critically evaluate Tuberculosis control strategies in India. What are your recommendations to improve TB control?

(15 marks)

3. **Short Questions:**

3A. Community diagnosis

3B. DALY

3C. Uses of descriptive epidemiology

3D. How do you assess validity of screening tests?

3E. Briefly describe strategies used in Polio eradication.

3F. What are confounding factors? Describe how you would minimize the effects of confounding factors in epidemiological studies.

3G. MDT for Leprosy. Mention the common side effects of drugs used.

3H. Epidemiological indices of Tuberculosis.

3I. Describe briefly the uses and activities of cancer registries in India. Mention the places where these registries currently available.

3J. Briefly describe the measures to be taken for control of influenza A (H1N1) outbreak.

(7 marks × 10 = 70 marks)

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MANIPAL UNIVERSITY

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – OCTOBER 2016

SUBJECT: PAPER II: HEALTH SERVICES MANAGEMENT

Tuesday, October 18, 2016

Time: 14:00 – 17:00 Hrs.   Max. Marks: 100

✍ Answer ALL the questions.

✍ Essay questions:

1. Mention the objectives of Reproductive and Child Health program. Describe briefly the strategies for its implementation in India. How would you evaluate this program at district level?

(15 marks)

2. Discuss briefly National Health Policy 2002. Critically review the status of the goals to be achieved by 2015.

(15 marks)

3. **Short Questions:**

3A. Health Problems and associated social problem of Geriatric population in India

3B. Cost effective vs. cost benefit analysis: Describe with examples

3C. Aspects of school Health services

3D. Management by objectives

3E. Briefly describe measures implemented for adolescent Health care in India

3F. Functions of WHO

3G. Explain appropriate technology in Primary Health Care with examples

3H. Community Health Insurance schemes in Karnataka

3I. Define Peri-natal mortality. Discuss the causes in India

3J. Role of Panchayats in Public Health

(7 marks × 10 – 70 marks)

MANIPAL UNIVERSITY

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – OCTOBER 2016

SUBJECT: PAPER III: NUTRITION, ENVIRONMENTAL HEALTH AND DEMOGRAPHY

Wednesday, October 19, 2016

Time: 14:00 – 17:00 Hrs.   Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Question:

1. Discuss the guidelines of biomedical waste disposal and give your views about its current status in India.

(15 marks)

2. As a public health expert, what are your views on the important causes of malnutrition in India. What are the Government strategies in place to tackle this issue? Give your opinion.

(15 marks)

3. **Write short notes on:**

3A. Discuss the significance of studying the habits of mosquitoes

3B. Chem osterilant

3C. Evaluate the mid day meal scheme in India

3D. ROC curve

3E. Discuss the concepts of testing of hypothesis

3F. Define and discuss the significance of Couple protection rate

3G. Role of Dietary antioxidants

3H. Health promotional measures in preventing genetic disorders

3I. Discuss the fertility trends in India for the last decade and identify the factors responsible

3J. Critically review the Health insurance models in India

(7 marks ×10 = 70 marks)

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MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – OCTOBER 2016

SUBJECT: PAPER IV: MENTAL HEALTH AND HEALTH TECHNOLOGY

Thursday, October 20, 2016

Time: 14:00 – 17:00 Hrs.   Max. Marks: 100

✍   **Answer ALL the questions.**

✍   **Essay Questions:**

1.   Discuss the problem of Urbanization in India. What are its Health and social impacts? Suggest preventive and control measures.

(15 marks)

2.   What is Geographical Information System? Discuss the role of GIS in Health care.

(15 marks)

3.   **Short Questions:**

3A. Mention various Social class classifications and explain its significance in Health and disease.

3B. How will you evaluate effectiveness of a Health Education Program?

3C. Planning and implementing Health care service for Migrant workers in a District

3D. Role of Medico Social Worker in health Care

3E. Mention the common Mental Health problems in India and measures for prevention and control at Primary Health Centre level.

3F. Sample Registration System

3G. Study designs in qualitative research

3H. Barriers of Communication

3I. Role of Culture in Health and disease

3J. Application of Mobile phones in public health sector in future

(7 marks × 10 = 70 marks)