MANIPAL ACADEMY OF HIGHER EDUCATION

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – JUNE 2020

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

Wednesday, June 03, 2020

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

✍ **Answer ALL the questions.**

✍ **Long Questions:**

1. Mention the risk factors for road traffic accidents. Describe the measures for prevention of road traffic accidents.

(15 marks)

2. Health is multidimensional. Critically comment on this statement. Give a brief account on changing concepts of health.

(15 marks)

3. **Short Notes:**

3A. Criteria for judging causation of disease

3B. Recent developments in programmatic management of tuberculosis in India

3C. Briefly discuss the lessons learnt from the Nipah virus (NiV) outbreak in Kerala in 2018

3D. Role of qualitative research methods in public health

3E. Ethical considerations in double blind clinical trials

3F. Obesity and health promotion strategies

3G. Inter-sector collaboration in community based health interventions

3H. Challenges and opportunities in screening women for cancer cervix in India

3I. Epidemiological principles in measles eradication

3J. Dengue vaccine

(7 marks × 10 = 70 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – JUNE 2020

SUBJECT: PAPER II: HEALTH SERVICES MANAGEMENT

Thursday, June 04, 2020

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

✍   **Answer ALL the questions.**

✍   **Long Essays:**

1.   Critically review the integrated child development services (ICDS) scheme.

(5+10 = 15 marks)

2.   Do a SWOT analysis of biomedical waste management in India

(5+10 = 15 marks)

3.   **Short Notes:**

3A.   Adverse Events Following Immunization

3B.   Role of nutritional rehabilitation centers in improving health of under-five children

3C.   Bacteriological surveillance of water

3D.   Inter-sectoral coordination in control of flu epidemic

3E.   Evolution of primary health care system in India

3F.   Sex ratio trends in India

3G.   Village health sanitation and nutrition committee

3H.   Issues and challenges in implementation of Mother and Child Tracking System (MCTS)

3I.   Future of family planning in India

3J.   Role of health administration in community settings

(7 marks × 10 = 70 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – JUNE 2020

SUBJECT: PAPER III: NCD, BEHAVIOURAL SCIENCES, HEALTH EDUCATION & BEHAVIOUR CHANGE COMMUNICATION, APPLIED EPIDEMIOLOGY, MENTAL HEALTH

Friday, June 05, 2020

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

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Describe the public health measures that could be deployed to address the social problems in an urban slum.

(15 marks)

2. Discuss the objectives and strategies of National Program for Prevention and Control of Cancer, Diabetes, CVD and Stroke(NPCDCS) including the recent initiatives. Critically evaluate the program.

(15 marks)

3. **Write Short notes on:**

3A. Plagiarism
3B. Disaster mitigation
3C. Behavioural change communication
3D. International health regulations
3E. Mental Healthcare Act 2017
3F. Quasi experimental studies
3G. Conflict of interest
3H. Soft skills
3I. Therapeutic misconception
3J. STROBE guidelines

(7 marks × 10 = 70 marks)

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MANIPAL ACADEMY OF HIGHER EDUCATION

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – JUNE 2020

SUBJECT: PAPER IV: HEALTH POLICY & PLANNING, OCCUPATIONAL HEALTH, HEALTH ECONOMICS, HEALTH INFORMATION, GENETICS, MEDICAL EDUCATION, INFORMATION TECHNOLOGY, RECENT ADVANCES IN PUBLIC HEALTH

Saturday, June 06, 2020

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

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Critically review the Occupational Health and Safety in India.

(15 marks)

2. What is Health Management Information System? Discuss its role with reference to provision of Maternal and Child health and Family Planning services.

(15 marks)

3. **Write short notes on:**

3A. Discuss different types of economic evaluation with examples
3B. Registration of vital events
3C. Population survey
3D. Role of Artificial intelligence in public health
3E. Medical pluralism and its role in current health system
3F. Health promotional measures in preventing genetic disorders
3G. Flipped class
3H. Briefly discuss the key elements of a sound policy process
3I. Infodemics
3J. Pneumoconiosis

(7 marks × 10 = 70 marks)