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MANIPAL ACADEMY OF HIGHER EDUCATION

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2019

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

Tuesday, April 02, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

 **Answer ALL the questions.**

 **Essay Questions:**

1. Discuss the validity and reliability of a screening program for assessment of Down's syndrome during antenatal period.

(15 marks)

2. Describe the epidemiological determinants and prevention strategies for human rabies. Add a note on National Rabies Control Programme.

(15 marks)

3. **Short Notes:**

3A. Polio Eradication and Endgame Strategic Plan.

3B. Quasi experimental studies.

3C. Spot map and its applications.

3D. Hospital data for disease surveillance.

3E. Open vial policy.

3F. Management of tuberculosis in pregnant and lactating women.

3G. Migration studies.

3H. Antimicrobial stewardship.

3I. Role of zinc in pediatric diarrhea.

3J. Investigation of Nipah virus outbreak.

(7 marks × 10 = 70 marks)



Reg. No.

MANIPAL ACADEMY OF HIGHER EDUCATION
MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2019
SUBJECT: PAPER II: HEALTH SERVICES MANAGEMENT

Wednesday, April 03, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Essay Questions:**

1. Critically comment on priorities and strategies of National Health Policy of India.
(15 marks)

2. What are the important health issues among school going children in India? How will you organize School Health Services to address these issues effectively?
(15 marks)

3. **Short Notes:**

3A. Network analysis.

3B. Demographical gap.

3C. Issues and challenges in providing health care services to tribal communities.

3D. Adolescent Friendly Health Services.

3E. Impact of micro-financing on women empowerment in rural India.

3F. India Newborn Action Plan.

3G. Health regulations for international travel.

3H. Budgeting in Healthcare Delivery Systems.

3I. Role of genetic counselling in the era of genomic medicine.

3J. Impact of rapid urbanization on health in India.

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

~~MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2019~~

SUBJECT: PAPER III: NUTRITION, ENVIRONMENTAL HEALTH AND DEMOGRAPHY

Thursday, April 04, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ Answer ALL the questions.

✍ Long Question:

1. Discuss the problem of micronutrient deficiency in India and preventive measures to tackle the same.

(15 marks)

2. Critically review the child health components of the Reproductive and Child Health Program

(15 marks)

3. Short Notes:

3A. Role of screening in occupational health.

3B. Trans-fatty acids.

3C. Explain *co-efficient of correlation* and its implication in health research.

3D. Surveillance of drinking water quality.

3E. What is sampling? Discuss various methods of sampling used in public health.

3F. Reasons for declining sex ratio in India and its consequences.

3G. Radio-active waste disposal.

3H. Integrated vector control.

3I. Village health sanitation and nutrition committee.

3J. Fertility trends in India.

(7 marks × 10 = 70 marks)



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MANIPAL ACADEMY OF HIGHER EDUCATION

MD (COMMUNITY MEDICINE) DEGREE EXAMINATION – APRIL 2019

SUBJECT: PAPER IV: MENTAL HEALTH AND HEALTH TECHNOLOGY

Friday, April 05, 2019

Time: 14:00 – 17:00 Hrs.

Max. Marks: 100

✍ **Answer ALL the questions.**

✍ **Long Questions:**

1. Illustrate the importance of Socio Economic Status (SES) in public health. Discuss various criteria for measuring the SES of an individual / family.

(15 marks)

2. In your capacity as an adviser to the Ministry of Health design a study to identify the impact of a quit tobacco campaign among college going students.

(15 marks)

3. **Short Notes:**

3A. Give an account of evaluation techniques in Pedagogy.

3B. Describe the role of computer software in epidemiology.

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

3D. Focus group discussion and its role in qualitative research.

3E. Examine ethical issues in carrying out biomedical research in developing countries.

3F. Sampling and its application in community based research.

3G. Strategize an Information, Education, Communication (IEC) initiative for the control of oral cancer.

3H. Control of common mental health problems in the geriatric age group.

3I. Significance of literature search in biomedical research.

3J. Social stress contributes to behavioural problems. Comment on this statement.

(7 marks × 10 = 70 marks)

