

Roll no.

P-2696

M.D. EXAMINATION, APRIL, 2008

M.D. – COMMUNITY MEDICINE

(Paper - I)

(Basic Sciences)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. Write an essay on World Health Day Theme – 2008. 25 marks
 2. Give critical review of National Rural Health Mission in context of MCH care. 25 marks
 3. Give a brief account of role of newer contraceptives in Indian demographic scenario. 25 marks
 4. Write short notes on :
 - (a) ESI Act 6 marks
 - (b) Surveillance 6 marks
 - (c) I.M.N.C.I. 6 marks
 - (d) Avian influenza 7 marks
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M.D. EXAMINATION, APRIL, 2008

M.D. – COMMUNITY MEDICINE

(Paper – II)

(Epidemiology, communicable, non-communicable diseases, RCH)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. Discuss epidemiological feature of coronary heart disease in India and suggest measures of prevention. 25 marks
 2. Write in brief about :
 - (a) Sentinel surveillance of HIV 13 marks
 - (b) DOTS in tuberculosis 13 marks
 3. Write in brief about :
 - (a) Prevention and safe disposal of hospital waste 12 marks
 - (b) Management of dog bite 12 marks
 4. Write short notes on :
 - (a) Strengthening of health services of country by W.H.O. 8 marks
 - (b) Ultra low volume application of insecticide 8 marks
 - (c) MDT in leprosy 9 marks
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M.D. EXAMINATION, APRIL, 2008

M.D. – COMMUNITY MEDICINE

(Paper – III)

(Recent advances)

Time : 3 hours

Maximum Marks – 100

Note : Attempt all questions.

1. Write the following notes :

- | | | |
|-----|--|----------|
| (a) | Mention the role of public private partnership in NRHM | 10 marks |
| (b) | DALY | 8 marks |
| (c) | Newer vaccines | 7 marks |

2. Write in brief on the following :

- | | | |
|-----|--|----------|
| (a) | Micronutrient deficiency disorder/s and its prevention and control | 10 marks |
| (b) | Health implications of environmental degradation | 10 marks |

3. Describe clinical epidemiology. What is Meta-analysis and its role in clinical epidemiology and research ? 25 marks

4. Describe briefly the following : 5 marks each

- | | |
|-----|--|
| (a) | Medical tourism |
| (b) | I.H.R. |
| (c) | Genetic epidemiology |
| (d) | Health security V/s health insurance |
| (e) | Advances and innovations in contraceptive technology |
| (f) | Recent outbreaks in India |
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M. D. EXAMINATION, April/May, 2009

COMMUNITY MEDICINE

Paper First

Time : Three Hours]

[Maximum Marks : 100

Instruction : Attempt all questions. All questions carry equal marks.

1. Discuss the problem of air pollution and review the legislative and other measures to control it in India. 25
2. What are Micronutrients ? Critically review the programmatic objectives, strategies and achievements to control micronutrient deficiency diseases in India. 25
3. What are behavioural sciences ? Discuss briefly the social evils and their health impediments in India. Also discuss measures for their management. 25
4. Write short notes on the following : 5 each
 - (i) B. C. C.
 - (ii) Sample size determination for Quantitative studies
 - (iii) Non-Parametric tests
 - (iv) HDI
 - (v) Genetic disorders

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M. D. EXAMINATION, April/May 2009

COMMUNITY MEDICINE

Paper Second

(General Principles)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions. Questions carry marks as indicated.

1. Describe briefly the health related MDGs with special reference to maternal and child health, also the measures being taken to achieve these goals. 25
2. Critically review the following :
 - (a) Public Private Partnership in health 15
 - (b) Cash incentives for institutional deliveries 15
3. Differentiate between the following :
 - (a) PPI rounds and mop up rounds. 9
 - (b) Age pyramid of developing and developed countries. 9
4. Write short notes on the following : 9 each
 - (a) International health regulations for travellers
 - (b) I. M. S. Act
 - (c) Role of women empowerment in health

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M. D. EXAMINATION, April/May 2009

COMMUNITY MEDICINE

Paper Third

**(Specific Disease Epidemiology, Epidemiology of
Communicable and Non-Communicable Disease)**

Time : Three Hours]

[Maximum Marks : 100

Note : All questions are compulsory.

1. Discuss the epidemiology of poliomyelitis. How will you investigate an occurrence of a case of polio in a given area ? 20
2. Describe the epidemiological features related to cancer and the importance of cancer registry. 20
3. What are the risk factors associated with coronary heart disease ? Discuss various strategies for its prevention. 20
4. Write in brief on the following : 4 each
 - (a) Approaches and strategies for malaria control
 - (b) Arboviral diseases
 - (c) Difference between Quarantine and Isolation
 - (d) DOTs
 - (e) Disease prevention and control

P. T. O.

5. Write short notes on the following :

4 each

- (a) Rule of halves
- (b) Prevention of blindness
- (c) Strategies for prevention of diabetes
- (d) Measures for leprosy control
- (e) Latent period

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M. D. EXAMINATION, April/May, 2009

COMMUNITY MEDICINE

Paper Fourth

(Recent Advances)

Time : Three Hours]

[Maximum Marks : 100

Note : Attempt all questions.

1. Discuss the present status of National Rural Health Mission in India. Also give a critical appraisal of this programme. 25
2. Write briefly on the following : 20
 - (i) World Health Day-2009
 - (ii) Female Condom
 - (iii) X-DR-TB
 - (iv) UDAAN
3. Discuss the following statement :
Academic Community Medicine in the 21st Century :
Challenges and Opportunities. 25
4. Write short notes on the following : 6 each
 - (i) Hospital waste management
 - (ii) Janani Suraksha Yojana
 - (iii) Male participation in family planning
 - (iv) Sentinel surveillance in HIV
 - (v) Role of Information Technology in Health

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POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

MD COMMUNITY MEDICINE

(PAPER ONE)

BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Write a detailed plan of action of Bio-Medical waste management of a 1500 bedded teaching Hospital.
What problems you may have to face in its management as chief of Hospital? (20)
- Q. 2. What are Micronutrients? Write various micronutrient deficiency problems. Describe in detail one national intervention program to address micronutrient deficiency in India. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. HIV Vaccine
 - b. Tests of significance
 - c. Role of behavioral sciences in public health.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Life style and healthy ageing
 - b. Primordial prevention
 - c. Communication barriers
 - d. Pre and post test counseling in HIV
 - e. Role of NGO's in health sector

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

MD COMMUNITY MEDICINE

(PAPER TWO)

GENERAL EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss in detail regarding process, types, styles and guidelines for effective decision making in health sector management. Give suitable examples if needed. (20)
- Q. 2. Enumerate the strategies adopted by National Rural Health Mission for Community Involvement. Discuss the methodology for evaluation of community involvement in health sector. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Reed and Frost model
 - b. Data triangulation exercise
 - c. Theories of motivation
- Q. 4. Write short notes on: (3 x 10 = 30)
- a. ^e Gronotological approach in preventive medicine.
 - b. Break even analysis
 - c. Bonferroni Post Hoc Test

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

MD COMMUNITY MEDICINE

(PAPER THREE)

SPECIFIC DISEASES EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss tuberculosis related millennium development goals. Suggest preventive & control measures for pulmonary tuberculosis in rural area & steps to be taken to reduce defaulter rate in RNTCP. (20)
- Q. 2. Enumerate "Second Generation STDs". Discuss epidemiological determinants and control measures for STDs. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. Case definition of J.E. & risk factors for its outbreak.
 - b. A plan for the early detection of diabetes among inhabitants of a city.
 - c. Leprosy control or Eradication?
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Malariometric indicators
 - b. Community Traumas
 - c. TFI
 - d. 12 – by – 12 Initiative
 - e. Antidiarrhoeal vaccines

POST GRADUATE DEGREE EXAMINATION, APRIL- 2011

MD COMMUNITY MEDICINE

(PAPER FOUR)

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

- Q. 1. Discuss the organizational setup under NRHM. Describe in detail the progress made in five years of NRHM i.e. 2005-2010. (20)
- Q. 2. Discuss in detail about International Health Regulations (IHR). What new has been added in IHR in 2005. (20)
- Q. 3. Describe briefly: (3 x 10 = 30)
- a. IMNCI - PLUS
 - b. Public Private Partnership with examples
 - c. IMS Act, 1992 including amendment Act 2003 along with latest recommendations of MOHFW, India.
- Q. 4. Write short notes on: (5 x 6 = 30)
- a. Role of SHGs in women empowerment
 - b. IPHS standards for a CHC
 - c. Role of PHFI in public health education & research
 - d. AIDS vaccine
 - e. Unlinked anonymous testing in HIV sentinel surveillance

POST GRADUATE EXAMINATION, APRIL- 2012

MD COMMUNITY MEDICINE

(PAPER ONE)

BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Prepare a proposal for reducing under-5 mortality in the next five years. (20)
- Q. 2.** Effect of globalization and market economy on public health. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Health Budget
 - b. Meta- analysis
 - c. Evaluation of public Health System in India.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Minimum standards for slaughter house under model public health act.
 - b. Advances in molecular genetics
 - c. Vector control by environmental manipulation
 - d. Bi-annual round strategy for Vitamin A
 - e. Lot quality assurance sampling

POST GRADUATE EXAMINATION, APRIL- 2012

MD COMMUNITY MEDICINE

(PAPER TWO)

GENERAL EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions

Illustrate with suitable diagnosis.

- Q. 1.** Define observational epidemiology. Write basic principles of descriptive epidemiology. (20)
- Q. 2.** Describe about newer changes in RNTCP in area of- case detection, case classification and case management. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Demographic transition
 - b. Health Management Information System
 - c. Non communicable disease problems in old age.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. GOBI- FFF campaign of Unicef
 - b. Medical audit
 - c. Occupational cancers
 - d. Meta analysis
 - e. Slow Release Contraceptives

POST GRADUATE EXAMINATION, APRIL- 2012**MD COMMUNITY MEDICINE
(PAPER THREE)****SPECIFIC DISEASES EPIDEMIOLOGY**

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Mention the name of a potentially eradicable disease in our country. What factors eradication of this disease? Write briefly about its eradication strategy. (20)
- Q. 2.** Discuss epidemiological correlates associated with a 3 yrs. old severely undernourished female child. Differentiate strategy of IMNCI with IMCI. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Methodology of emergency vector control measures.
 - b. Objectives of NNMB (National Nutrition Monitoring Bureau)
 - c. WHO - Step wise approach to NCD surveillance
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Reasons behind the failure of control of STDs.
 - b. The "Final Push" strategy for elimination of leprosy.
 - c. Epidemiology impact of HIV with TB.
 - d. Emerging importance of adolescent reproduction & sexual health.
 - e. Major causes of childhood blindness. Enumerate the factors affecting the prevalence of blindness.

POST GRADUATE EXAMINATION, APRIL- 2012

MD COMMUNITY MEDICINE

(PAPER FOUR)

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagnosis.

- Q. 1.** Discuss in detail- "Tobacco epidemic in south-east Asia Region". Challenges and progress in its control. (20)
- Q. 2.** "Tackling Diabetes Mellitus through Translation" – Describe in detail. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Janani Shishu Suraksha Karyakram
 - b. Facility based IMNCI
 - c. Accreditation of Health System
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Pentavalent vaccine
 - b. PPTCT Programme
 - c. 12 By 12 Initiative
 - d. DBCS
 - e. PCPNDT Act.

POST GRADUATE EXAMINATION, MAY- 2013

MD COMMUNITY MEDICINE

(PAPER ONE)

BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Develop an action plan for health promotion in a setting based approach viz- Hospital and Community. How networking with stake holders can be ensured in this endeavour? (20)
- Q. 2.** What is demographic transition in context of elderly population in India? Discuss measures taken for assessing the problems of elderly. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Place distribution of a disease.
 - b. Health indicators
 - c. HIV surveillance
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Triangulation of data in HIV
 - b. Odds and probability
 - c. High risk screening
 - d. Bi-annual round strategy for Vitamin A
 - e. Lot quality assurance sampling

POST GRADUATE EXAMINATION, MAY- 2013

**MD COMMUNITY MEDICINE
(PAPER TWO)**

GENERAL EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the cause-effect relationship in medical research. (20)
- Q. 2.** Critically discuss the problems and major factors affecting prevalence of blindness in India, with special reference to service delivery factors. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Impact of globalization on infectious disease emergence and control.
 - b. Population stabilization concept.
 - c. Use of geographic information system (GIS) in disease mapping.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Evaluation of health care delivery system in India.
 - b. WHO child growth standards.
 - c. Verbal autopsy
 - d. Operational research in primary health care.
 - e. Syndromic surveillance in public health practices.

POST GRADUATE EXAMINATION, MAY- 2013

**MD COMMUNITY MEDICINE
(PAPER THREE)**

SPECIFIC DISEASES EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss epidemiological determinants of an outbreak due to an arbovirus in India. Give an investigation flowchart and recommend strategies for prevention. (20)

O. 2. Discuss salient epidemiological correlates of rheumatic fever. Plan, with the help of a gantt chart, strategies for prevention of RHD among school children in your district. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Predictors of health risk in obesity.
- b. Strategic innovations in Polio eradication in India.
- c. A prospective specific protection plan for a LBW baby.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Combined T dap vaccine
- b. Haddons matrix
- c. Entomological survey
- d. Visual impression in cancer screening.
- e. WHO 'near miss' approach in maternal health.

POST GRADUATE EXAMINATION, MAY- 2013

**MD COMMUNITY MEDICINE
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** What is the current scenario of non-communicable diseases (NCDs) in India? Outline the social and economic implications of NCDs in India. (20)
- Q. 2.** Outline a programme for involvement of young doctors in rural health service in India. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. Current government schemes for adolescents under NRHM.
 - b. Role of ICTC in prevention of HIV/AIDS.
 - c. Impact of household practices on nutritional profile of milk.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. R- Software – a newer tool in epidemiological data analysis.
 - b. Role of medical education in prevention and control of NCDs in India.
 - c. Sexual behaviour among truck drivers in India.
 - d. Nested Case Control Study
 - e. Fisher Exact Probability Test

X



POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

MD COMMUNITY MEDICINE

(PAPER ONE)

BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Establish a state based nutritional surveillance system for Uttarakhnad. (20)

Q. 2. State health authorities has a belief that people with diabetes mellitus suffer more than tuberculosis.
How will you test this belief scientifically? (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Role of vaccine for malaria control.
- b. BCC model for HIV/AIDS control.
- c. Effects of passive smoking on health.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. ROC curve.
- b. Role of mass media for control of chronic diseases.
- c. Type I and type II errors.
- d. Confidence interval and interquartile range.
- e. Green House Effect.

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

**MD COMMUNITY MEDICINE
(PAPER TWO)**

GENERAL EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Critically review the Revised National Tuberculosis Control Programme(RNTCP). (20)

Q. 2. What are phases of a clinical trial? Write down steps in planning, designing and conduct of a clinical trial. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Occupational health hazards of agriculture.
- b. Important voluntary health agencies in India.
- c. Serial and parallel screening tests and their effects on sensitivity and specificity.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Temporal relationship.
- b. Demographic cycle in the Indian context.
- c. Life style and healthy aging.
- d. World health day – 2014.
- e. ABC analysis.

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

**MD COMMUNITY MEDICINE
(PAPER THREE)**

SPECIFIC DISEASES EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Discuss the various biological and immunological factors that have contributed to the success of polio vaccination programme. What are the principle barriers to eradicating the wild type virus in those countries in which it is still epidemic? (20)
- Q. 2.** Enumerate the clinical classification of diabetes. Discuss the epidemiological determinants and apply three levels of prevention for diabetes mellitus. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. About the action plans formulated for pneumonia and diarrhoea control.
 - b. How you will apply Haddon's matrix in preventing playground injury?
 - c. Global elimination of trachoma (GET) by 2020.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Counselling after HIV testing.
 - b. Antigenic variations in salmonella
 - c. Bionomics of important malaria vector species in India.
 - d. Control of urban rabies in India.
 - e. Epidemiology of MDR – TB.

POST GRADUATE EXAMINATION, APRIL/ MAY- 2014

**MD COMMUNITY MEDICINE
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Mobile Health clinics: Meeting the health needs of the urban underserved. (20)

Q. 2. What are the needs and choices of conjugate pneumococcal vaccines in India? (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. National disaster management information system.
- b. Government of India initiatives for Dengue and Chikungunya.
- c. Preventing RTI/STI in adolescents and youth.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Medical Tourism
- b. NIKSHAY
- c. Decentralisation of PNDT – NGO scheme.
- d. Mother and child tracking system.
- e. Advisory for passengers coming/returning to India from yellow fever endemic countries.

POST GRADUATE EXAMINATION, APRIL - 2015
MD COMMUNITY MEDICINE
(PAPER ONE)
BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Describe the role of inter-sectoral coordination in health. What are the current mechanisms and how it could be improved? (20)
- Q. 2.** What are the challenges of tobacco control? Work out a plan for effective implementation of provision of COTPA in Uttarakhand. (20)
- Q. 3.** Describe briefly: (3 x 10 = 30)
- a. NCD Surveillance by STEPS approach.
 - b. Challenges of implementation of Medical Certification of Cause of Death (MCCD) scheme.
 - c. Swachh Bharat Mission.
- Q. 4.** Write short notes on: (5 x 6 = 30)
- a. Adjustment for confounding
 - b. Non parametric test
 - c. Prevention paradox
 - d. Absolute risk
 - e. Risk prediction chart for cardiovascular diseases.

POST GRADUATE EXAMINATION, APRIL - 2015

MD COMMUNITY MEDICINE

(PAPER TWO)

GENERAL EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss implementation plan for achieving coverage targets for new born and child care component in RMNCH+A. **(20)**

Q. 2. Formulate a research question & a hypothesis relating a risk behavior and a disease outcome. Discuss features of an appropriate epidemiological method to validate such a hypothesis. **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

- a. Care, support & treatment component in NACP - IV.
- b. National Urban Health Mission (NUHM).
- c. Short term fluctuations in disease occurrence.

Q. 4. Write short notes on: **(5 x 6 = 30)**

- a. Transact walk.
- b. Logical framework approach.
- c. ABC analysis.
- d. RKSK
- e. Fertility indicators

POST GRADUATE EXAMINATION, APRIL - 2015

MD COMMUNITY MEDICINE

(PAPER THREE)

SPECIFIC DISEASES EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Classify and list out various vector borne diseases. Discuss the recent advances in prevention and control of malaria and dengue fever. (20)
- Q. 2.** Enumerate modifiable and non-modifiable risk factors for cardiovascular diseases. Discuss the National Program related to the above along with prevention and control measures. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Syndromic approach for management of sexually transmitted diseases.
 - b. Food Borne illnesses.
 - c. Prevention and containment of Hepatitis B.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. End TB strategy of WHO, 2015.
 - b. Ebola.
 - c. Swine flue
 - d. Cancer registry.
 - e. Obesity – Assessment, prevention and control.

POST GRADUATE EXAMINATION, APRIL - 2015

**MD COMMUNITY MEDICINE
(PAPER FOUR)**

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss the recent advances in types, detection and treatment of drug resistance in Tuberculosis. (20)

Q. 2. Discuss the strategic action plan for malaria control 2007-12 and beyond. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. Polio eradication and End Game Strategic Plan 2013-18.
- b. Elimination of lymphatic filariasis by 2015.
- c. Multipurpose prevention technology for sexual & reproductive health.

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Weekly iron & folic acid supplementation scheme.
- b. Indicators of health related millennium development goals.
- c. World health day 2015.
- d. Pentavalent vaccine
- e. District Program Management Unit.

POST GRADUATE EXAMINATION, MAY - 2016

MD COMMUNITY MEDICINE

(PAPER ONE)

BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. Discuss community nutrition programs in India. (20)

Q. 2. Discuss Behavior Change Communication (BCC) strategies for a community initiative. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. India's Demographic dividend
- b. Carbon foot print reduction strategies
- c. Key assumptions for sample size estimation

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Gene therapy
- b. Narcotic Anonymous
- c. Hidden hunger
- d. Standard error
- e. Equity in Health

X

POST GRADUATE EXAMINATION, MAY - 2016

**MD COMMUNITY MEDICINE
(PAPER TWO)**

GENERAL EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Give a draft plan for planning, conducting & evaluating a cervical cancer screening programme in a CHC, Doiwala, Dehradun. (20)
- Q. 2.** Epidemiology is an essential requirement at each step of planning & evaluation. Critically analyse this statement. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Stepwise approach for 'Social marketing of new ORS'.
 - b. Requirements of a screening test.
 - c. Biases in cohort studies.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Health advice to travelers.
 - b. Epidemiological transition
 - c. Role of RRT (Rapid response team).
 - d. Parameters on which evaluation is undertaken.
 - e. Attributable fractions in case –control studies.

X

POST GRADUATE EXAMINATION, MAY - 2016

MD COMMUNITY MEDICINE

(PAPER THREE)

SPECIFIC DISEASES EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

Q. 1. What is 'chain of transmission'? How it is used for prevention and control of communicable diseases?
Explain with appropriate example. (20)

Q. 2. Discuss changing trend of non-communicable diseases in India. Compare mass strategy with high risk strategy for prevention and control of non-communicable diseases. (20)

Q. 3. Describe briefly:

(3 x 10 = 30)

- a. Measuring obesity in children
- b. Prevention and control of tobacco use.
- c. Polio endgame strategy

Q. 4. Write short notes on:

(5 x 6 = 30)

- a. Epidemiology of scrub typhus in India.
- b. Prevention of diarrhea in children
- c. Foetal origin of adult diseases
- d. Haddon's matrix
- e. Yaws eradication

X

POST GRADUATE EXAMINATION, MAY - 2016
MD COMMUNITY MEDICINE
(PAPER FOUR)
RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams.

- Q. 1.** Write in brief about National Health Mission. Describe its major goals, objectives and targets and mention new initiatives undertaken. (20)
- Q. 2.** Write in detail about the efforts being made towards measles elimination and rubella control at national and global level. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Epidemiology of Nosocomial infections.
 - b. Guidelines for integrated vector management for control of Aedes
 - c. Disease surveillance through Public Health Laboratory under IDSP.
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Zika virus epidemic
 - b. NITI Aayog
 - c. Eliminating Malaria by 2030
 - d. Universal health coverage challenges
 - e. Quaternary prevention

X

POST GRADUATE EXAMINATION, MAY - 2017

MD COMMUNITY MEDICINE

(PAPER ONE)

BASIC SCIENCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Describe the problem of environmental pollution in India. Review the measures to control it. (20)

Q. 2. Discuss briefly the major nutritional problems in India and specific interventions to solve these problems. (20)

Q. 3. Describe briefly: (3 x 10 = 30)

- a. PQLI
- b. AEFI
- c. BCC

Q. 4. Write short notes on: (5 x 6 = 30)

- a. Indices of thermal comfort
- b. Measures of central tendency
- c. Prospective genetic counseling
- d. Natural history of disease process
- e. NPU

X

POST GRADUATE EXAMINATION, MAY - 2017

MD COMMUNITY MEDICINE

(PAPER TWO)

GENERAL EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

Q. 1. Discuss the referral system plan for Disability Prevention and Medical Rehabilitation activities under NLEP. **(20)**

Q. 2. Critically analyze and comment --- "Family planning is increasingly being recognized as a cost effective development tool to better the physical and economic health of a nation". **(20)**

Q. 3. Describe briefly: **(3 x 10 = 30)**

- a. Ecological trials and its importance in public health
- b. Role of Social Pediatrics in well-being of child
- c. Role of Rogi Kalyan Samitis under NRHM

Q. 4. Write short notes on: **(5 x 6 = 30)**

- a. Significance of juvenile sex ratio
- b. Demographic surveillance
- c. Home based new born care
- d. Health problems in IT professionals
- e. Conflict management

X

POST GRADUATE EXAMINATION, MAY - 2017

**MD COMMUNITY MEDICINE
(PAPER THREE)**

SPECIFIC DISEASES EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

- Q. 1.** Classify Arboviral diseases. Describe the epidemiology and prevention and control of Japanese Encephalitis. (20)
- Q. 2.** Write down the epidemiological determinants of visual impairment and blindness. Briefly mention the changing concepts in eye health care and describe Vision 2020. (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Evaluation of leprosy control
 - b. Integrated vector management
 - c. Cancer control
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Stop TB strategy
 - b. Primary factors in accidents
 - c. End game strategy in poliomyelitis
 - d. Laboratory diagnosis of DHF
 - e. Prevention of hypertension

X

POST GRADUATE EXAMINATION, MAY - 2017

MD COMMUNITY MEDICINE

(PAPER FOUR)

RECENT ADVANCES

[Time allotted: Three hours]

[Max Marks: 100]

Note: Attempt all questions
Illustrate with suitable diagrams wherever required

- Q. 1.** Discuss the concept of 'Health for All'. How relevant it is now? Describe the Universal health coverage in context to India. (20)
- Q. 2.** What is mortality surveillance? What are the challenges of mortality data in India? (20)
- Q. 3. Describe briefly:** (3 x 10 = 30)
- a. Rastriya Varisth Jan Swasthya Yojana (RVJSY)
 - b. National Health Assurance Mission
 - c. Global positioning system (GPS) and health
- Q. 4. Write short notes on:** (5 x 6 = 30)
- a. Control measures of Ebola virus infection
 - b. Sustainable development goals
 - c. National Health Accounting
 - d. Role of corporate sector in health care delivery
 - e. Vaccination for international travelers

X