



RAN-3752

M.D. Examination

July - 2020

Community Medicine (PSM) : Paper - I

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:
☛

Name of the Subject :
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Subject Code No.:

Seat No.:

Student's Signature

- (1) All questions are compulsory.
- (2) Simple calculator and statistical tables are allowed.
- (3) Rough work must be done on the answer sheet only.

Conceptual (and applied) understanding of Public Health, Community Medicine, Communicable and Non - Communicable diseases, emerging and re - emerging diseases, Applied Epidemiology, Health research, Bio-statistics.

- Q.1.** Prepare a sero-surveillance plan for measles vaccination program in Gujarat. Enumerate key benefits of sero-surveillance in disease control. **(20+5)**
- Q.2. (a)** A study was designed to include patients diagnosed with stomach cancer and individuals without stomach cancer. A chart review and one on one interviews were conducted to assess the exposures (e.g. spicy food consumption, smoking history etc.) for both the groups in the past. Plan an appropriate study design for drawing meaningful conclusions. **(13)**
- (b)** Plan a surveillance programme for students/ travelers returning from China for prevention and control of COVID-19 in Surat city. **(12)**

Q.3. (a) Describe the utility of NRC in reduction of malnutrition. (13)

(b) Draw a plan to start Cervical Cancer screening at Urban Health Training Centre of Govt. Medical College, Surat. (12)

Q.4. Write short notes on the following: (5×5 = 25)

(a) Transact walk in Vanz village.

(b) Ethical issues in Bio-medical research

(c) Social classification

(d) Genetic Counselling in Sickle Cell Disease

(e) STROBE checklist in research design.



RAN-3753

M.D. Examination

July - 2020

Community Medicine (P.S.M.) : Paper - II

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

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Fill up strictly the details of signs on your answer book

Name of the Examination:

M.D.

Name of the Subject :

Community Medicine (P.S.M.) : Paper - II

Subject Code No.: 3 7 5 3

Seat No.:

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Student's Signature

All questions are compulsory.

Nutrition, Environmental Health, Primary Health Care system, Panchayat Raj system, National health Programs, RCH, Demography and Family Welfare, Health Care Administration, Health Management and Public Health Leadership.

- Q.1.** Discuss air pollution as a public health concern in Surat city. Prepare an action plan for air pollution control. (10+15)
- Q.2.** a. Describe cost benefit and cost effective analysis as management tools with suitable examples from public health. (13)
- b. Discuss role of breast feeding as a strategy to reduce Infant Mortality Rate (12)
- Q.3.** a. Carry out a SWOT analysis of Aspirational District Dang : A Gujarat government initiative (13)
- b. Discuss epidemiological relevance for diseases that could be considered for elimination in India. (12)

Q.4. Write short notes on the following:

(5×5=25)

- a. Monitoring and evaluation.
- b. Newer Contraceptives.
- c. Relevance of Bhore Committee recommendations in current scenario.
- d. WASH strategy in public health.
- e. Biological measures in mosquito control.



RAN-3754

M.D. Examination

July - 2020

Community Medicine (P.S.M.) : Paper - III

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
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Name of the Examination:

M.D.

Name of the Subject :

Community Medicine (P.S.M.) : Paper - III

Subject Code No.: 3 7 5 4

Seat No.:

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Student's Signature

All questions are compulsory.

Social & Behavioral sciences - applied aspects, Scientific communications & Medical writing, Research Methodology, Public Health Legislations, International Health & Global Diseases surveillance

- Q.1.** How will you evaluate desired social behavioural change impact among a peri-urban population? You can use any national health program as example to explain your answer. (25)
- Q.2. (a)** Prepare a 100 words press release describing the preparedness of civil administration to tackle possible outbreak of COVID-19 in Surat city. (13)
- (b)** Describe the significance of Review of literature in medical research. (12)
- Q.3. (a)** How will you carry out Post Mass Drug Administration (MDA) surveillance? (13)
- (b)** Design a tool for Client satisfaction survey among beneficiaries of New Civil Hospital, Surat. (12)

Q.4. Write short notes on the following:

(5×5 = 25)

1. Key Indicators of Mental Health for surveillance.
2. World Bank funding criteria for any national health program.
3. Epidemic Control Act.
4. Utility of various software in Data collection tools.
5. IDSP Alerts.

2AM-3755

July-2020

MD Examination (April- 2020)

Community Medicine (PSM)

Paper – IV

Time : 3 hours

Total Marks : 100

Instructions : All questions are compulsory.

Seat No

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Student's signature

Health Policy planning, Medical Education technology, Information Technology, Integration of alternative Health system including AYUSH, Occupational Health, Recent advances in Public Health & Miscellaneous issues, Health Economics.

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- Q.1. Impact of upgrading district hospitals into medical colleges on provision of secondary health care to citizens of the districts and suggestions to mitigate any adverse impact (25)
- Q.2. (a) Develop an action plan to engage the adolescents in the Adolescent Friendly Health Clinics of Surat city (13)
- (b) write about treatment as prevention of HIV and your views on it. (12)
- Q.3. (a) Assessment of 'Out of Pocket Expenditure' in NTEP (13)
- (b) Justify or contest the statement "Peri Urban areas are local focal points of epidemic." (12)
- Q.4. Write short notes on the following: (5X5=25)
- (a) Leptospirosis as a public health problem in South Gujarat.
- (b) Role of e-learning in Medical Education.
- (c) How will you involve MPHWs in various National Health Programs ?
- (d) Maternal Death Review.
- (e) Role of Medical Colleges in functioning of UHTC and RHTC



RAN - 2006270101010001

RAN-2006270101010001

DCM Examination

July - 2020

Community Medicine : Paper - I

(Basic Sciences as applied to Community Medicine and Health)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

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Name of the Examination:

DCM

Name of the Subject :

Community Medicine : Paper - I (Basic Sciences as applied to
Community Medicine and Health)

Subject Code No.: 2006270101010001

Seat No.:

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Student's Signature

(1) Use of pocket calculator is permitted

- Q-1.** What is Focus Group Discussion (FGD)? What is its significance in health research? How will you conduct it for treatment seeking behaviour for STI? (30)
- Q-2.** Malnutrition as Public Health Problem in Gujarat State. Write various strategies to combat malnutrition in Gujarat. (20)
- Q-3.** In 2006, Surat city experienced flood and large population of Surat city had consumed turbid water and safe water supply reinstalled after three days in this situation. What are the water born diseases you envision looking to various incubation periods and how will you control it in such situation. (20)
- Q-4.** Write short notes on any three. (30)
- Importance of periodic examination in Textile Industry
 - Assessment of Iodine Deficiency Disorders in tribal district
 - What is sampling? Write down various sampling methods and explain stratified Random Sampling method in details.
 - Discuss air quality monitoring in Surat city.



RAN - 2006270101020001

RAN-2006270101020001

DCM Examination

July - 2020

Community Medicine : Paper - II

(Public administration as applied to Community Medicine and Health)

Time: 3 Hours]

[Total Marks: 100

સૂચના : / Instructions

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

DCM

Name of the Subject :

Community Medicine : Paper - II (Public administration as applied to Community Medicine and Health)

Subject Code No.: 2006270101020001

Seat No.:

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Student's Signature

- Q 1. How will you evaluate a First Referral Unit (FRU) for utilising the services of your FRU with an example of RCH services? (30)
- Q 2. Describe the various stages of planning cycle using an example of Non Communicable Diseases (NCD) in your district. (20)
- Q 3. Discuss the importance of Family Health Survey in Health Monitoring. (20)
- Q 4. Write short notes on any three. (30)
- Delhi Technique and its uses in Public Health Research
 - Child Death Review (CDR)
 - Adolescent Friendly Health Services (AFHS)
 - Epidemic Control Act



RAN - 2006270101030001

RAN-2006270101030001

DCM Examination

July - 2020

DCM

Community Medicine : Paper - III

(Basic Medical care at village as applied to Community Medicine and Health)

Time: 3 Hours]

[Total Marks: 100

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Fill up strictly the details of signs on your answer book

Name of the Examination:

DCM

Name of the Subject :

Community Medicine : Paper - III Basic Medical care at village as applied to Community Medicine and Health)

Subject Code No.: 2006270101030001

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Student's Signature

- Q. 1. Describe newer changes under National Tuberculosis Elimination Programme (NTEP) of TB in India ? (30)
- Q 2. Describe cervical screening programme under NCD. How will you implement in your district. (20)
- Q 3. Describe Newer Biomedical HIV prevention strategies in your district having HIV Prevalence 5.6% among MSM and 3% Among FSW and 1.25% Among ANC. (20)
- Q 4. Write short notes on any three. (30)
- Deaddiction Centre
 - Village Health and sanitation committee
 - Segregation of Waste according to new BMW rules.
 - Road Traffic Accident