

UNIVERSITY OF JAMMU

(NAAC ACCREDITED A++ GRADE UNIVERSITY)
Baba Sahib Ambedkar Road, Jammu-180006 (J&K)

Email: academicsectionju14@gmail.com

NOTIFICATION **(26/July./Adp/34)**

It is hereby notified for the information of all concerned that the Vice-Chancellor, in anticipation of the approval of the Academic Council, has been pleased to authorize the adoption of the Syllabus for **M.D. in Community Medicine** as per National Medical Commission for the Examinations to be held in the years 2025, 2026, 2027 and onwards.

***The Syllabi of the course is available on the University Website:
www.jammuuniversity.ac.in.***

-Sd-
Dean Academic Affairs

No. F.Acd/III/26/3630-40
Dated: 10/07/2026

Copy for information & necessary action to:-

1. Dean/Principal, Faculty of Medical Science.
2. Principal, ASCOMS, Sidhra, Jammu
3. Sr. P.A to the Controller of Examinations.
4. Head, Department of Community Medicine.
5. C.A to C.E
6. Joint/Deputy/Assistant Registrar (Exams. Prof. /Confidential/ Evaluation Prof.)
7. Office copy.


Assistant Registrar (Academic)

Course Content

ANNEXURE-I

Title: Community Medicine (Theory & Practical / Clinical)

Course: MD Examination to be held in 2023, 2024, 2025, 2026 and 2027

1	Course No	MD Community Medicine
2	Subject Code	1. MDCOMM0001 2. MDCOMM0002 3. MDCOMM0003 4. MDCOMM0004
3	Course Title	1. Paper—I 2. Paper—II 3. Paper—III 4. Paper—IV
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	400 (100 Marks Per Paper)
7	Practical/Clinical & Viva	400 (300+100)
8	Maximum Marks	800 (Theory Marks + Practical/Clinical & Viva Marks)

Syllabus Paper-I

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

1	Course No	MD Community Medicine
2	Subject Code	MDCOMM0001
3	Course Title	1. Conceptual (and applied) understanding of Public Health, Community, Medicine. 2. Communicable and Non- Communicable diseases, emerging and Re-emerging diseases. 3. Applied Epidemiology, Health research, Bio-statistics.
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	100

1. Conceptual (and applied) understanding of Public Health, Community Medicine, clinical disease-oriented approach, Preventive approach & Health promotion, disease control & promotion.

Learning objectives:

- Understand and explain the concept & application and give suitable analogies/examples related to Public Health/Community Medicine (with differences), Disease-oriented v/s Preventive approach, health promotion disease control & prevention.
- Explain correlation between health and human development with analogies/ examples

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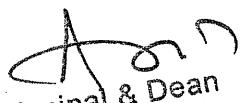
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Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

- iv. Develop Health interventional programs based on Epidemiological Finding & create evidence for Public Health action.
- v. Understand difference between data, information & intelligence, types of data, survey methods, formulating questionnaires, interview schedule, data presentation types & analysis.
- vi. Apply computer based software application for data designing, data management & collation analysis e.g. SPSS, Epi-info, MS office and other advanced versions limitations, odds ratio, relative risk, attributable & population attributable

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Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

- iii. Explain Concept of Primordial, Primary, Secondary and Tertiary prevention with examples.
iv. Evolutionary History and mile-stones in Public Health – National and International levels.

2. Communicable and Non-Communicable diseases, emerging and re-emerging diseases

Learning objectives:

- i. Understand and explain Epidemiology of Communicable/Non-communicable diseases- its causes, precipitating factors, social & other non- health causes, mechanisms of transmission, signs/systems, management, control & prevention measures, related national Health Programmes & national Guidelines, Directives, special projects, if any.
ii. Explain application of Disease surveillance system in control of Communicable/Non communicable diseases.
iii. Explain & undertake steps to investigate & control outbreaks, epidemics and take measure to prevent the same.

- iv. Evolve prevention & control measures based on local & regional epidemiological funding, synchronizing with National guidelines.

3. Applied Epidemiology, Health research, Bio-statistics

Learning objectives:

- i. Explain the concept & application of Epidemiology of Disease and Health giving suitable examples.
ii. Explain Epidemiological approach, the terms Distribution & Determinants, uses, types of Epidemiological studies, interpretation, merits/demerits and risks, Hybrid designs (with examples), validity of Epidemiological Data and application in practice at field level.
iii. Explain Epidemiological Research methods, Research related protocols, Literature review, estimating sample size, data collection/ compilation/ Analysis/ Research, interpretation.

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Syllabus Paper-II

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

- iii. Plan balanced diet and dietary requirements of various age and sex groups.
- iv. Dietary/nutritional concerns of vulnerable groups – young children, adolescents ANC/PNC/Lactating mothers/senior citizens/individuals with various health problems e.g hypertension, diabetes, renal problems etc.
- v. Classification of food, food additives, food fortification, food enrichment, food toxins and food adulteration.
- vi. Explain Food production, Food hygiene and safety, food storage, food preparation, food wastage and feeding practices.
- vii. Assessment of nutritional status of a community by adopting different methodologies.
- viii. Nutritional supplementation, surveillance, education and rehabilitation.
- ix. National programmes in nutrition and their evaluation
- x. National nutrition policy

2. Environmental health

Learning objectives:

- i. Highlight importance of external environment (air, water, noise, radiation, temperature, ventilation, solid waste disposal, insects and vectors, domestic and country yard pests, industrial waste disposal etc. and its impact on ecology and human health.
- ii. Elaborate on health issues related to housing, air, water, noise, radiation pollution i.e. size of problems, area and specific groups affected, measurement of pollution levels and health impact of the same, corrective measures

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Syllabus Paper-II

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

1	Course No	MD Community Medicine
2	Subject Code	MDCOMM0002
3	Course Title	1. Nutrition. 2. Environmental Health 3. Primary Health Care system, Panchayat Raj System, National Health Programs, RCH, Demography and Family Welfare 4. Health Care Administration, Health Management and Public Health Leadership
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	100

1. Nutrition

Learning objectives:

- Identify various nutritional problems in the region, state and country and contributing factors for the same, with due emphasis on ecology perspectives.
- Explain importance of various nutrients (including micronutrients) in health, their sources, requirements and problems associated with their deficiencies as well as over consumption.

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Syllabus Paper-II

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

. Primary Health Care System, Panchayat Raj, National Health Programmes including RCH, Demography & Family Welfare:

Learning Objectives

- Explain the meaning of Primary Health Care with suitable analogies with reference to India, and be able to define the systems approach for implementation of Primary Health Care.
- Enumerate the elements, principles, population coverage norms, staff patterns, day to day activities, programme schedule, stakeholders at PHC level.
- Explain the scope and implications of 3-tier system of Primary Health Care.
- Understand functioning of Rural Panchayat Raj system of development and its co-relation with health.
- Promote community participation in Primary Health Care programme and motivate various stakeholders for the same.
- Understand and comply with medico-legal procedures related to Primary Health Care activities.
- Integrate, coordinate both health and non-health sectors for implementing various national health programmes.
- Deliver the provisions of various health schemes to eligible beneficiaries such as Janani Suraksha Yojana, Rashtriya Swasthya Beema Yojana, Rajiv Gandhi Jeevandayi Arogya Yojana etc.
- Impart training in health programmes for paramedical workers, lab technicians, community health volunteer's, interns and provide health education in the community.
- Implement Public Health Skills for investigations and containment of outbreaks & epidemics.

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Syllabus Paper-II

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- iii. Elaborate on requirements of water, water chlorination and household purification measures, measurement of chlorine demand, Break-point chlorination levels, water quality.
- iv. Assessment of quality of water and air, control of air pollution
- v. Explain environmental sanitation and control measures (including appropriate technologies) – modern methods of sewage disposal, mechanical ventilation, soakage pits, gobar gas plants, smokeless Chula, solar energy, rainwater harvesting, sewage water recycling plants at society level etc.
- vi. Explain global warming and its health impact.
- vii. Elaborate on forest reserves, social forestry and health
- viii. Study vectors of medical importance and integrated control measures against them.
- ix. Explain dynamics of transmission of vector borne diseases
- x. Explain pest control measures
- xi. Explain environmental health issues in urban and rural areas
- xii. Understand functioning of public sector measures to safeguard environmental health e.g water purification plant
- xiii. Explain Legislative measures for protection of environmental health

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Syllabus Paper-II

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

- xi. Develop budgetary statements based on evidence of needs assessment and be able to maintain account of expenditure as per norms.
- xii. Undertake community health needs survey, conduct training & communication needs assessment of paramedical and health workers, identify vulnerable, underprivileged communities, implements high risk approach.

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Syllabus Paper-II

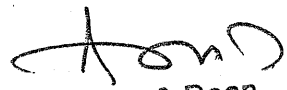
Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

- xi. Understand history of evolution of public health, important milestones in the world and in India.
- xii. Enumerate the various health committees established and their major recommendations since 1947-48 to till date.

7. Health Care Administration, Health Management and Public Health Leadership

Learning Objectives:

- i. Explain the conceptual difference between Administration and Management, Power and Authority with reference to health care.
- ii. Explain the role of fundamental principles of constitution, principles of Democracy and its correlation with health care administration.
- iii. Explain the role of Bureaucracy, Technocracy, Political system, Judiciary, Media and people in health care administration.
- iv. Explain and identify the key positions and their role in health administration at State, District, Taluka (Tehsil block) and village level.
- v. Explain the frame work of health care system at State, District, Taluka & village level and understand the mechanism of coordination between bureaucrats, technocrats, political, judiciary and media at each of these levels.
- vi. Enumerate functions of a manager, explain concepts of management and leadership styles, various management techniques, planning process, monitoring & evaluation skills.
- vii. Should be sensitive to quality issues in health care management and comply with relevant quality management techniques.
- viii. Formulate and manage team approach for implementing health programmes.
- ix. Apply skills of effective human resource management and identify relevant roles, responsibilities and duties of functionaries.
- x. Implement skills of motivation, communication, negotiation and conflict management at PHC level.


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Syllabus Paper-III

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

2. Public Health Legislations

Learning objectives:

- Explain public health legislations and need for the same.
- Know in detail each public health law – when, why, implementation, impact, issues etc.
- Enforcement of various public health laws.
- Judiciary mechanism for ensuring proper implementation of public health laws.
- Scope for integrated approach for implementation of public health laws.

3. International Health

Learning Objectives:

- Understand the need and scope for international health measures.
- Enlist and understand functioning of various UN agencies (including WHO) playing key role in international health.
- Enlist and understand functioning of bilateral vs multilateral international donor agencies.
- Provide advice to international travelers and vaccination requirements.
- Understand International health control measures e.g. quarantine, airport management etc.
- Understand the management of international ports from health perspectives.

4. Public Health Legislations

5. International Health & Global Diseases surveillance

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Syllabus Paper-III

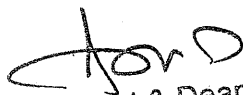
Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

1	Course No	MD Community Medicine
2	Subject Code	MDCOMM0003
3	Course Title	1. Social & Behavioural Sciences- applied aspects 2. Scientific communications & Medical writing 3. Research Methodology 4. Public Health Legislations 5. International Health & Global Diseases surveillance
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	100

1. Social and behavioral sciences

Learning objectives:

- Understand influence of social and behavioral practices on health.
- Understand principles of behavior change of an individual and community. Clearly understand difference between knowledge, attitude and practices..
- Understand importance of social medicine and health.
- Importance of behavior change communication (BCC).
- Socio-cultural factors influencing behavior change.
- Formal and informal organizations in the community.
- Influence of peer pressure.
- Know the health problems, where BCC interventions are necessary.
- Understand factors promoting and detrimental to BCC


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Syllabus Paper-IV
Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

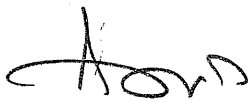
- iv. Critically appreciate merits and demerits of the Health Policy.
- v. Explain SWOT analysis of the policy and debate on evidence based recommendations, additions, deletions.
- vi. Debate on suggestions or recommendations for future inclusions.

2. Occupational Health

Learning Objectives:

- i. Understand the concept of occupational health and its importance, Occupational environment and work dynamics.
- ii. Know different types of occupational exposures at various settings.
- iii. Enlist various occupational hazards and their relative magnitude.
- iv. Understand measurement of exposure levels to harmful influences during occupation.
- v. Understand preventive and control measures against various occupational hazards – global, national and local level measures.
- vi. Understand individual and community responses towards preventing exposure to occupational hazards.
- vii. Understand and advise occupational safety measures.
- viii. Understand legislative measures to prevent exposures to occupational hazards.
- ix. Advise compensation provisions to persons exposed to various occupational hazards.
- x. Understand occupational health problems amongst people in unorganized sector
- xi. Understand and advise social security and welfare provisions for workers – ESIS, Factory's Act, Role of ILO, Ministry of Labor, and DGFASLI.

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Syllabus Paper-IV

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

1	Course No	MD Community Medicine
2	Subject Code	MDCOMM0004
3	Course Title	1. Health Policy planning, Medical Education Technology, Information Technology, and Integration of alternative Health system including AYUSH 2. Occupational Health 3. Recent advances in Public Health & Miscellaneous issues 4. Health Economics
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	100

1. Health Policy, Medical Education, Integrating Alternative system of Medicine including AYUSH

Learning Objectives

- Understand and elaborate implications of the policy provision with reference to the current health scenario in the country.
- Explain the role of health policy in promotion of Primary Health care, ensuring equity, intersectoral co-ordination, appropriate technology and community participation.
- Explain the various provisions for promotion of preventive and curative health services including National Health Mission, National Health Programs, Quality Hospital based services, Medical Education and AYUSH.


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PAPER WISE DISTRIBUTION OF COURSE FOR MD EXAMINATION:

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2	MDCOMM0002	Paper –II	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	100	
2	MDCOMM0003	Paper –III	Social & Behavioural Sciences- applied aspects, Scientific communications & Medical writing Research Methodology, Public Health Legislations, International Health & Global Diseases surveillance	100	
2	MDCOMM0004	Paper –IV	Health Policy planning, Medical Education Technology, Information technology, and Integration of alternative Health system including AYUSH, Occupational Health, Recent advances, in Public Health & Miscellaneous issues, Health Economics	100	

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Syllabus Paper-IV

Based on Guidelines for Competency Based Postgraduate Training Programme for MD in Community Medicine

3. The recent advances in Public Health & miscellaneous issues

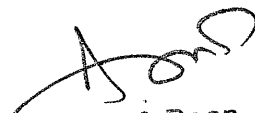
Learning Objectives:

- identify & enlist events at local, district, national & global levels influencing or adversely affecting health /medical issues of the population:-
- Adopt & practise skills related to utilization of modern technology, software, IT application in the interest of health promotion & disease prevention.

4. Health Economics

Learning Objectives:

- Describe the scope of health economics.
- Understand health market & its characteristics.
- Understand & apply economic evaluation techniques.
- Assess the mechanism of Funding Health Care services, especially health insurance.
- Advise on allocation of resources appropriately in their work area.


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Course Content

ANNEXURE-IV

Title: Community Medicine (Theory & Practical / Clinical)

Course: MD Examination to be held in 2023, 2024, 2025, 2026 and 2027

1	Course No	MD Community Medicine
2	Subject Code	1. MDCOMM0001 2. MDCOMM0002 3. MDCOMM0003 4. MDCOMM0004
3	Course Title	1. Paper—I 2. Paper—II 3. Paper—III 4. Paper—IV
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	400 (100 Marks Per Paper)
7	Practical/Clinical & Viva	400 (300+100)
8	Maximum Marks	800 (Theory Marks + Practical/Clinical & Viva Marks)

NOTE FOR PAPER SETTERS:

1. Paper -I & Paper II shall be set one each by the two external examiners and Paper III & IV shall be set one each by the two Internal Examiners
2. Each Paper will carry 100 marks (copy of syllabus enclosed)
3. All questions shall be compulsory to attempt
4. The duration of each paper shall be 3 hours
5. The question shall be set in such a manner that it tests the higher domains of learning

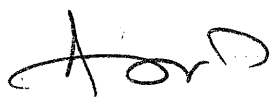
DISTRIBUTION OF MARKS

- **Theory:** (04 Papers of 100 marks each)= 400 Marks
 1. Long Answer Questions (LAQ)/Modified Essay Type Questions (MEQ)-40 marks
 2. Short Answer Type Question (SAQ) -60 marks
- **Practical :**

Long case: a) Family Case b) Clinicosocial Case	100 Marks
Short Clinicosocial Cases	100 Marks (50 Each)
Epidemiology and Statistics problem-solving exercises	40 Marks
Public Health Spots	20 Marks
Critical Appraisal of Journal/ Research article	20 Marks
Micro Teaching/ Pedagogy	20 Marks

- **Viva Voce**= 100 Marks

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Course Content

ANNEXURE-III

Title: Community Medicine (Theory & Practical / Clinical)

Course: MD Examination to be held in 2023, 2024, 2025, 2026 and 2027

1	Course No	MD Community Medicine
2	Subject Code	1. MDCOMM0001 2. MDCOMM0002 3. MDCOMM0003 4. MDCOMM0004
3	Course Title	1. Paper—I 2. Paper—II 3. Paper—III 4. Paper—IV
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	400 (100 Marks Per Paper)
7	Practical/Clinical & Viva	400 (300+100)
8	Maximum Marks	800 (Theory Marks + Practical/Clinical & Viva)

PASS CRITERIA

The Post Graduate examination shall be in three parts: -

1. Thesis:

- It should be submitted to the University by each post graduate student at least 6 months before the theory and clinical/practical examination.
- The thesis shall be examined by a minimum of three examiners, one internal and two external examiners, appointed by the university and who shall not be the examiners for theory and practical.
- A post graduate student shall be allowed to appear for the theory and practical/clinical examination only after the acceptance of the thesis by two examiners.

2. University Examination:

- Mandatory 50% marks separately in Theory (Theory Papers only) and Practical (Practical /Clinical+ Viva).
- There shall be four theory papers of 100 marks each

3. Practical/Clinical and oral examination:


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Course Content

ANNEXURE-V

Title: Community Medicine (Theory & Practical / Clinical)

Course: MD Examination to be held in 2023, 2024, 2025, 2026 and 2027

1	Course No	MD Community Medicine
2	Subject Code	1. MDCOMM0001 2. MDCOMM0002 3. MDCOMM0003 4. MDCOMM0004
3	Course Title	1. Paper—I 2. Paper—II 3. Paper—III 4. Paper—IV
4	Category	Compulsory
5	Examination duration	3 Hrs
6	Theory Marks	400 (100 Marks Per Paper)
7	Practical/Clinical & Viva	400 (300+100)
8	Maximum Marks	800 (Theory Marks + Practical/Clinical & Viva Marks)

BOOK RECOMMENDED/LEARNING RESOURCE MATERIAL

Recommended reading:

A. Books (latest edition)

1. *Public Health and Preventive Medicine* (Maxcy-Rosenau-Last Public Health and Preventive Medicine) by Robert B. Wallace
2. *Basic Epidemiology*. R Bonita, R Beaglehole, T Kjellstrom. World Health Organization Geneva.
3. *Epidemiology*, by Leon Gordis.
4. *Oxford Textbook of Public Health*. Holland W, Detel R, Know G.
5. *Practical Epidemiology*, by D.J.P Barker
6. *Park's Textbook of Preventive and Social Medicine*, by K.Park
7. *Principles of Medical Statistics*, by A. Bradford Hill
8. *Interpretation and Uses of Medical Statistics*, by Leslie E Daly, Geoffrey J Bourke, James MC Gilvray.
9. *Epidemiology, Principles and Methods*, by B. MacMahon, D. Trichopoulos
10. *Hunter's Diseases of Occupations*, by Donald Hunter, PAB Raffle, PH Adams, Peter J. Baxter, WR Lee.
11. *Epidemiology and Management for Health Care*, by Sathe PV and Doke PP.
12. *Vaccines*, by Stanley A. Plotkin.
13. All reports and documents related to all National Programmes from the Ministry of Health and Family Welfare.

B. Journals

03-05 international Journals and 02 national (all indexed) journals

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