

### III rd PROFESSIONAL - PART – I SYLLABUS

#### **(3) COMMUNITY MEDICINE(S.P.M.):**

**(i) Goal :**

The broad goal of the teaching of under graduate students in the community medicine is to prepare them to function as community and first level physicians in accordance with the institutional goals.

**(ii) Objectives:**

**(a) KNOWLEDGE:**

At the end of the course, the student shall be able to :

- a. Describe the Health care delivery system including rehabilitation of the disabled in the country;
- b. Describe the National Health programs with particular emphasis on maternal and child health programs, family welfare and pollution control;
- c. List epidemiological methods and describe their applications to communicable and non-communicable diseases in the community or hospital situation;
- d. Apply biostatistical methods and techniques;
- e. Outline the demographic pattern of the country and appreciate the roles of the individual, family, community and socio-culture milles in health and disease;
- f. Describe the health information systems;
- g. Enunciate the principles and components of primary health care the national health policies to achieve the goal of 'HEALTH FOR ALL';
- h. Identity the environmental and occupational hazards and their control;
- i. Describe the importance of water and sanitation in human health;
- j. To under stand the principles of health economics and administration, health education in relation to community;

#### **Syllabus of Community Medicine (S.P.M.) :**

Sl.No.	Name of the Unit	No. of Hours	
		Theory	Practical
1.	History of Community Medicine	2	Visit to
2.	Definition, concept of Health & illness of diseases	2	hospital PHC.,
3.	Natural History of diseases, levels & prevention	2	Anganwadi Community
4.	Sociology, its relation to Health & disease, Social institution, role of Family in Health & disease. Role of Cultural section in Health, disease & Group dynamics.	6	<b>I SEMESTER</b>
5.	Psychological aspects in disease & Health, Role of individual, Family and Society.	6	

## Syllabus of Community Medicine (S.P.M.) Continued...

Sl.No.	Name of the Unit	No. of Hours	
		Theory	Practical
6.	Demography & Population dynamics i) Population structures ii) Population growth iii) Population problem iv) Effect of over population on Sociological degeneration	6	
<b>II SEMESTER</b>			
7.	Statistics i) Basic statistical method ii) Summarisation & presentation of data iii) Tests of significance	6	
8.	Environmental sanitation & Medical entomology i) Water ii) Waste disposal iii) Tests of significance	10	Seminars/ practicals: Lab work, Group discussion 10 hours
9.	Genetics i) Prevention of genetic diseases ii) Genetic counselling	1	Field visits 10 hours
10.	General Epidemiology i) Descriptive epidemiology a) Time b) Place c) Person ii) Analytical epidemiology a) Case control b) Cohort studies iii) Experimental Epidemiology randomised control trial iv) Investigation of an epidemic	10	5
11.	Systemic epidemiology i) Vector borne diseases ii) Water borne diseases iii) Air born diseases iv) Contact diseases v) Diseases of major public health importance along with national health programmes wherever applicable	30	Seminars/ Clinico social case review  45 hours Field trips 15 days;3hrs/day (45 hours)

#### IV SEMESTER

- |     |                            |   |    |
|-----|----------------------------|---|----|
| 12. | Non-communicable diseases: | 5 | 15 |
|     | i) Diabetes                |   |    |
|     | ii) Hypertension           |   |    |
|     | iii) Heart diseases        |   |    |
|     | iv) Blindness              |   |    |
|     | v) Accidents               |   |    |
|     | vi) Geriatric problems     |   |    |

- |     |                               |   |    |
|-----|-------------------------------|---|----|
| 13. | Occupational Health problems: |   |    |
|     | i) E.S.I.                     | 5 | 10 |

- |     |                                       |    |    |
|-----|---------------------------------------|----|----|
| 14. | M.C.H. and family welfare             |    |    |
|     | programmes                            | 10 | 10 |
| 15. | Health care delivery in the community | 5  | 5  |
| 16. | National Health Policy                | 2  | 4  |

#### V SEMESTER

- |     |  |    |   |
|-----|--|----|---|
| 17. | Nation Health Programmes including       | 30 | 5 |
|     | Rehabilitation, Evaluation of Health     |    |   |
|     | Programmes, Health Planning Organisation |    |   |
|     | Structure of Health care system in the   |    |   |
|     | Country including P.H.C. District level  |    |   |
|     | State Level and Central level.           |    |   |
|     | ii) P.H.C. Organisation and Function     | 2  | 4 |
|     | iii) Role of Non Governmental            | 1  | 2 |
|     | Organisations                            |    |   |

#### VI SEMESTER

- |     |                                   |   |   |
|-----|-----------------------------------|---|---|
| 18. | Health Education                  |   |   |
|     | i) Principles of Health promotion | 9 | 3 |
|     | ii) Methods, approaches and media |   |   |
|     | for I.E.C.(Information, Education |   |   |
|     | & Communication)                  |   |   |

#### VII SEMESTER

- |     |   |     |   |
|-----|---|-----|---|
| 19. | Medical and Health / Information system | 4   | 4 |
| 20. | Mental Health                           | 1+1 | 2 |
| 21. | Nutrition                               | 15  |   |

**NOTE :** Hours of practicals and field visits are shown together. Depending upon the facilities available locally the arrangements of practicals and field visits can be flexible.

Demarcation of Syllabus for University exam between Paper I & II

Syllabus for Paper-I	Syllabus for Paper-II
1. Concepts 2. Social Sciences: a) Sociology b) Psycho Socisal Problem 3. Nutrition 4. Environmental sanitation 1. Statistics 2. General Epidemiology	1. Systemic epidemiology 2. Non communicable diseases 3. Occupational diseases 4. National Health progremmes 5. MCH & Family Welfare 6. Public Health Administration 3. N.G.O.S. and International Health 8. Health education

**Books Recommended:**

- 1) Parks text book of preventive & social medicine - K. Park
- 2) Kulkarnis text book of preventive & social medicine - Kulkarn
- 3) Nutritive value of Indian foods - C.Gopalan
- 4) Methods in biostatistics - BK. Mahajan

**Reference books**

- 1) Public health & preventive medicine -Maxcy-rosenau
- 2) Oxford text book of public health -Oxford medical publication
- 3) O.P. Ghai's text book of applied medicine -O.P.Ghai
- 4) An outline of sociology as applied to medicine- David armstrong
- 5) Uses of epidemiology - Morris
- 6) Short textbook of medical statistics - Hicc
- 7) Preveaive & community medicine - Clark
- 8) Human nutrition & Dietetics - Passmore
- 9) Epidemiology-principles & methods - Macmohan
- 10) Practical epidemiology - Barker
- 11) Theory & practice of public health - Hobson
- 12) An introduction to epidemiology - Michael Acderson
- 13) Food poisoning & Food hygiene - Hobbs