RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

SYLLABUS FOR SCREENING TEST FOR THE POST OF SENIOR DEMONSTRATOR- COMMUNITY MEDICINE MEDICAL EDUCATION DEPARTMENT

1. **Concept of Health and Disease**
Rise of Public Health, Preventive Medicine, Social Medicine, Medical Revolution, Health Care Revolution, Community Diagnosis and Hygiene. Dimensions of Health, Positive Health, Human Development Index, Physical Quality of Life Index, Spectrum of Health, Determinants of Health, Indicators of Health, Epidemiological Triad, Natural History of Disease, Iceberg Phenomenon of Disease, Concept of Prevention – Levels of Prevention and mode of intervention.

2. **Principles of Epidemiology and Epidemiologic Methods**
Aims of Epidemiology, Epidemiological Approach, Rates and Ratios, Measurement of Mortality, Measurement of Morbidity, Epidemiological Studies – Descriptive Epidemiology, Analytical Epidemiology, Experimental Epidemiology, Uses of Epidemiology, Association and Causation, Basics of Infectious Epidemiology, Disease transmission, Immunity, Immunizing agents, Disease Prevention and Control, Disinfection and Investigation of an Epidemic, Vaccination, Cold chain, Adverse reactions following Immunization.

3. **Screening for Disease**
Concept of Screening, Uses of Screening, Criteria for Screening, Sensitivity and Specificity.

4. **Epidemiology of Communicable Diseases**

5. **Epidemiology of Non–Communicable Diseases and Conditions**
Cardiovascular Diseases, Coronary Heart Disease, Hypertension, Stroke, Rheumatic Heart Disease, Cancer, Diabetes, Blindness, Accidents and Injuries.

6. **National Health Programmes**
- **Related to Non–communicable Diseases** - National Programme for the Control of Blindness, National Programme for Prevention and Control of Deafness, National Programme for Prevention and Control of Diabetes, Cardiovascular Diseases and Stroke, National Mental Health Programme, National Cancer Control Programme.

7. Environment and Health :

8. Management Of Biomedical Waste :
Legislative Framework.

9. Nutrition and Health :

10. Occupational Health :

11. Demography and Family Welfare :

12. Maternal and Child Health Services :
(Preventive Obstetrics and Paediatrics)

13. Preventive Geriatrics :
Population of the Aged, Theories of Aging Process, Health Problems of the Aged, Care of the Aged, Old Age Social and Income Security, Benefits given to Senior Citizens of India.
14. Social Science :
Acculturation, Family Cycle, Family Types, Family Functions, Role of Family and Cultural Factors in Health and Disease, Social Process, Operational Research, Medico social Worker and Personal Hygiene, Socio-economic status, Social Problems.

15. Biostatistics and Research :
Health Information System, Application of Biostatistics, Presentation of Statistical Data, Tabulation, Diagrammatic Presentation, Measures of Central Tendency, Measure of Dispersion, Probability, Sampling, Sampling Variation, Null Hypothesis, Test of Significance and Life Table, Confidence Interval.

16. Information, Education and Communication :

17. Health Care - Three – tier System of Health Care :
Role of Non-Government Organisation in Health Care.

18. Health Planning and Management :
Planning Cycle, Basic Management Techniques in Public Health, Bhore Committee, Mudaliar Committee, Kartar Singh Committee, Srivastav Committee & Others Committees, National Development Plans, Organization of Indian Health Administration and Rural Development.

19. National Health Policies and Acts :
National Health Policy, National Population Policy, National Housing Policy, National Nutrition Policy, National Policy for Children and National Policy for Older Persons.

20. International Health Organizations :

21. Disaster Management :
impact on Health.

Pattern of Question Papers:
1. Objective Type Paper
2. Maximum Marks : 180
3. Number of Questions : 180
4. Duration of Paper : Three Hours
5. All Questions carry equal marks
6. There will be Negative Marking