RAJASTHAN PUBLIC SERVICE COMMISSION, AJMER

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

MEDICAL EDUCATION DEPARTMENT

1. Man and Medicine: Towards Health for All

Preventive Medicine, Social Medicine, Medical Revolution, Health Care Revolution, Community Diagnosis and Hygiene

2. Concept of Health and Disease

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 – Primordial Prevention, Primary Prevention and Secondary Prevention & Tertiary Prevention

3. 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, Infectious Epidemiology, Disease transmission, Immunity, Immunizing agents, Disease Prevention and Control, Disinfection and Investigation of an Epidemic

4. Screening for Disease

Concept of Screening, Uses of Screening, Criteria for Screening and Sensitivity and Specificity

5. Epidemiology of Communicable Diseases

6. Epidemiology of Non – Communicable Diseases and Conditions

Cardiovascular Diseases, Coronary Heart Disease, Hypertension, Stroke, Rheumatic Heart Disease, Cancer, Diabetes, Blindness, Accidents and Injuries

7. 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.


8. Environment and Water:

Physical Environment, Biological Environment, Social Environment, Cultural Environment, Health Hazards of Water Contamination, Purification of Water, Purification of Water on Large Scale, Purification of Water on Small Scale, Hardness of Water, Conservation of Water Resources and Laboratory Examination Of Water

9. Air and Ventilation

Effects of Vitiated Air, Indicators of Thermal Comfort, Air Pollution and Ventilation
10. Noise- Hazards of Noise Pollution and Prevention and Control of Noise Pollution
11. Light- Health Hazards of Lighting
12. Radiation- Prevention and Control of Radiation Hazards
13. Housing- Housing and Health
14. Meteorology- Atmospheric Pressure, Air Temperature, Humidity and Air Movement
15. Disposal of Wastes

Refuse, Methods of Refuse Disposal, Recycling of Refuse, Disposal of Excreta, Disposal of Sewage & Excreta and Treatment of Sewage

16. Medical Entomology

Classification of Arthropods, Arthropod Borne Diseases and Prevention and control of Arthropod Born Diseases

17. Classification and Management Of Biomedical Waste- Legislative Framework

18. Electronic Waste Management

19. Nutrition and Health

Classification of Foods, Macro and Micro Nutrients, Food Groups, Caloric Requirements, Balanced Diet, Food Hygiene, Food Related Diseases, Diet Survey (Nutritional Assessment), Indicators of Malnutrition, Nutritional Surveillance, National Nutrition Policy, Food Additives, Food Enrichment and Food Fortification and Food Safety Act

20. Occupational Health


21. Demography

Demographic Cycle (Demographic Stages), Population Dynamics, Measurement of Fertility (Fertility Indicators), Measurement of Mortality, Population Explosion (Population Bomb) and Population Stabilization

22. Maternal and Child Health Services (Preventive Obstetrics and Paediatrics)

Growth Monitoring, Under Fives Clinic, Handicapped Children, Juvenile Delinquency, Child Guidance Clinic, School Health Services, Indicators of MCH Care, Rights of the Child, Child Welfare Agencies, Integrated Mother and Child Development Services Scheme (IMCDS)
23. Family Planning

Need for Family Planning, Scope of Family Planning Services, Contraceptive Methods (Fertility Regulating Methods, Techniques of Birth Control) and Evaluation of Contraceptive Methods

24. Adolescent Health

Challenges in Adolescent Health in India, Adolescent Health Problems and Services in Adolescent Health Clinics

25. 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, National Policy on Older Persons and Benefits given to Senior Citizens of India

26. 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

27. Biostatistics

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

28. Information, Education and Communication


30. Health Planning and Management

Bhore Committee, Mudaliar Committee, Kartar Singh Committee, Srivastav Committee & Others Committees, National Development Plans, Organization of Indian Health Administration and Rural Development
31. National Health Policy

National Health Policy, National Population Policy, National Housing Policy, National Nutrition policy, National Policy for Children and National Policy for Older Persons

32. International Health Organizations


33. Disaster Management

34. Bioterrorism

35. Global Warming

36. Telemedicine in Public Health

37. Public Health Acts

38. Voluntary Health Agencies in India

39. Integrated Disease Surveillance Program (IDSP)

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Pattern of Question Papers:

1. Objective Type Paper
2. Maximum Marks : 100
3. Number of Questions : 100
4. Duration of Paper : Two Hours
5. All Questions carry equal marks
6. There will be Negative Marking

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