



All India Institute of Medical Sciences, Jodhpur

Indicative Syllabus for the Examination for the Post of Sanitary Inspector Grade II

(Syllabus is only indicative. The questions can assess any aspect of knowledge, aptitude, attitude and practical skills, which is expected from a trained person to work efficiently at the advertised post)

Section A

40% Questions to be based on General Aptitude from the following topics:-

General Intelligence & Reasoning: It would include questions of non-verbal type. The test will include questions on similarities and differences, space visualization, problem solving, analysis, judgment, decision making, visual memory, discriminating observation, relationship concepts, figure classification, arithmetical number series, non-verbal series etc. The test will also include questions designed to test the candidate's abilities to deal with abstract ideas and symbols and their relationship, arithmetical computation and other analytical functions.

Quantitative Aptitude: This paper will include questions on problems relating to Number Systems, Computation of Whole Numbers, Decimals and Fractions and relationship between Numbers, Fundamental arithmetical operations, Percentages, Ratio and Proportion, Averages, Interest, Profit and Loss, Discount, use of Tables and Graphs, Mensuration, Time and Distance, Ratio and Time, Time and Work, etc.

Computer Knowledge: Candidates' understanding of the Basics of Computer Knowledge, its parts, functions, emails, MS office, etc.

Section B

60% Questions to be based on Subject/Domain knowledge from the following topics:-

- Air Ventilation and Lightening
- Water
- Housing
- Septic Tanks
- Collection and disposal of refuse and excreta
- Disposal of the dead
- Food Sanitation
- Minor Sanitary Engineering
- Disposal of Sewage
- Drainage
- Public Health Administration
- Sanitary Laws
- Vital Statistics
- Rodent Control
- Files
- Vector Control
- First Aid
- Lice, Fleas, Ticks
- Animal Reservoirs of Disease



- Rain Water harvesting technique
- Different Water Purification Process
- Water Sanitation:
 - Water: WHO's definition of environmental Sanitation. Safe and wholesome water, Sources of water, various uses of water and its need. Water borne diseases, conservation source of water, quality of water, public health aspect of very hard water, Steps of disinfection of well. Physical, chemical and biological standard for portable water sources and nature of pollution of water in large scale and small scale. Process of disinfections of water in large and small scale provisions for sanitary wells and tube wells, plumbing system and its maintenance. Water supply and storage system at the community and domestic level, Sanitary inspection of water supply, Collection and despatch of water sample for chemical arsenic and bacteriological examination, Purification of water in urban area.
 - Air Sanitation: Concepts and importance of adequate ventilation.
 - Night Soil Disposal: Solid Waste Disposal, Liquid Waste Disposal, Night Soil Disposal, Faecal borne disease due to unsanitary disposal of night soil, Different types of latrines in use principal of construction of sanitary latrines and their uses:
 - (i) Bore hole (ii) Dug Well (iii) RCA (iv) Septic tank latrines
 - Burial of Funeral Ground: Burial and cremation Ground and mass casualty Disposal
 - Soil Sanitation
 - Control of biological Environment: Housing Sanitation
 - Occupational Health
 - Disinfection & Sterilisation
 - Control of Biological Environment:
 - Study on insecticides, pesticides and disinfections, Sterilisation & disinfections of different articles, various spraying equipment's, Uses of rodenticides & larvaecidals.
 - Housing: Requisites of satisfactory and safe housing, sanitary standards for construction of houses and provision of utility services, Assessment of overcrowding.
 - Communicable Diseases: Introduction, Terminology, Modes of disease transmission, general measures for prevention & control of communicable diseases, Role of Health Worker.
 - Immunity & Immunisation: Purpose, types & effects, National Immunisation schedule for prevention of major communicable diseases- BCG, DTP, Polio, Measles & Typhoid Vaccines.
 - Disinfection & Sterilisation: Effective disinfection by liquid chemical agents like Halogen, Potassium permanganate solution etc. Solid chemical agent- Bleaching Powder, Lime etc.
 - Non-Communicable Diseases: Diagnosis & Prevention
 - Personal Hygiene: Factors influencing health & hygiene, Health habits & practice, Maintenance of normal circulation, respiration, digestion etc., Skin care cleanliness, Dental care, Care of hands, hand washing, Exercises-importance, Food values, Nutrition
 - Health Statistics: Basic knowledge of statistics, mean, median, mode, standard deviations. Sampling Procedure, Tabulation of Data, Histogram, Ogive, Pie Chart, Bar Chart.
 - Public Health Acts: Indian Epidemic Diseases Act, Purification of Air and Water Pollution Acts, Prevention of Food Adulteration act, Birth and Death Registration Act, NTP Act, Suppression of Immoral Traffic Act (SITA), Municipal and local body Acts related to housing, sanitation etc. Factory Act and Employer's State Insurance Act.
 - Public Health Administration: National Filaria Control Program, National Leprosy Program, Diarrheal Disease Control Program, STD Central Program, Goiter Control Program, Blindness Control Program, Universal Immunization Program.
 - Behavioural Science: Factors influencing human behaviour. Change of behavioural pattern in different age groups. Interpersonal relations and defence mechanism, Learning and motivation process in behaviour, Special groups and family structure, Social Process and control.
 - Health Education:
 - Elements of communication system and process, Use of audio visual aids and media, Teaching and Learning process, Planning Health Education activities, Health Education through personal contact, group meetings and indirect approaches, AIDS prevention.

