

SANJAY GANDHI POSTGRADUATE INSTITUTE OF MEDICAL SCIENCES

Raebareli Road, Lucknow-226014 (U.P.)

Syllabus for the post of Sanitary Inspector Gr-I (Core Subject) Advt No. I/10/10/Rectt/2026-27

(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)

1. Air & Ventilation
2. Water
3. Housing
4. Septic Tanks
5. Collection & disposal of refuse and excreta
6. Disposal of the dead
7. Food Sanitation
8. Minor Sanitary Engineering
9. Disposal of Sewage
10. Drainage
11. Public health Administration
12. Sanitary laws
13. Vital statistics
14. Inspection
15. Report writing
16. Rodent control
17. Flies
18. Vector control
19. First Aid
20. Lice, Fleas, Ticks
21. Animal Reservoirs of disease
22. Rain water harvesting technique
23. Different water purification process
24. Water sanitation
25. 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, Physical, chemical and biological standard for potable water sources and nature of pollution of water in large scale and small scale. Process of disinfections of

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- water in large scale and small scale, provisions for sanitary wells and tube wells, Plumbing system and its maintenance, water supply and shortage system at the community and domestic level, Sanitary inspection of water supply, Collection and dispatch of water sample for chemical arsenic and bacteriological examination, Purification of water in urban area.
26. Air Sanitation: Concepts and importance of adequate ventilation.
 27. 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
 28. Burial or Funeral Ground: Burial and cremation ground and mass casualty disposal
 29. Soil sanitation
 30. Control of biological Environment: Housing sanitation
 31. Occupational Health
 32. Disinfection & Sterilization
 33. Control of Biological Environment:
Study on insecticides, pesticides and disinfections, Sterilization and disinfections of different articles, various spraying equipments, Uses of rodenticides and larvaecidals.
 34. Housing: Requisites of satisfactory and safe housing, sanitary standards for construction of houses and provision of utility services, assessment of overcrowding.
 35. Communicable Diseases: Introduction, terminology, Modes of disease transmission, general measures for prevention & control of communicable diseases, Role of Health worker.
 36. Immunity & Immunization: Purpose, types & effects, National immunization schedule for prevention of major communicable diseases-BCG,DTP,Polio,Measeles & Typhoid Vaccines.
 37. Disinfection & Sterilization: Effective disinfection by liquid chemical agents like Halogen, potassium per magnate solution etc. Solid chemical agent- Bleaching powder, Lime etc.
 38. Non-Communicable diseases: Diagnosis & prevention
 39. Personal Hygiene: factors influencing health and hygiene, Health habits and practice, Maintenance of normal circulation, respiration, digestion etc, Skin care cleanliness, Dental care, Care of Hands, Hand washing, Exercises- importance, Food values, Nutrition
 40. Health Statistics: Basic knowledge of statistics, mean, median, mode, standard deviations.
Sampling procedure, Tabulation of Data, Histogram, Ogive, Pie chart, Bar chart.
 41. 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 act's related to housing, sanitation etc.
Factory Act and Employer's state Insurance Act.
 42. Public health Administration: National Filaria Program, National Leprosy Program, Diarrheal Disease control program, STD Central Program, Goitre Control Program, Blindness Control Program, Universal Immunization Program.

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43. 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.
44. 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 contract, group meetings and indirect approaches, AIDS prevention.
45. Health Informatics & Health Technology:
Scope and history of health information technology, electronic medical records (EMRs), overview of healthcare delivery, clinical workflow analysis. Advancements in field of health IT, data collection and transmission by the help of technology, use of mobile phones and smart bands. Introduction to healthcare, ethics, challenges, standards & future, important healthcare/medical laws in India medical professional. Redesign, security, privacy, and confidentiality of patient data, as well as mandatory policies regarding data handling and reporting.
46. Quality Assurance in Healthcare CODE:
Introduction of Quality Assurance, Principles of Quality assurance, Dimensions of Quality, Overview of Quality Access and Equity/Approach. Quality improvement Program (NABH, NABL & JCI), Operational guidelines on quality assurance by NHM for programs Kayakalp etc.