



All India Institute of Medical Sciences, Jodhpur

Indicative Syllabus for the Post of CSSD Technician

(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 covering 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 (SUBJECT KNOWLEDGE)

60% Questions to be based on the subject specific to the post with following topics:-

1. Classification of infectious agents as bacteria, virus etc.
2. Common infections that spread by various hospital procedures and instruments.
3. Blood Borne Diseases, HBS, HIV, HCV etc.
4. Definition of terms-sterilization, disinfectant, antiseptic, sanitizer, germicide, microbicidal agents, micro biostatic agents and antimicrobial agent.
5. Evaluation antimicrobial chime agents-Tube dilution and agar plate techniques-well method and diskplate method.
6. Physical methods of control Principle, construction and application of most heat sterilization Boiling, Pasteurization, Fractional sterilization-Tyndallisation and Moist heat under pressure autoclave. Dry heat sterilization-Incineration and hot air oven. Filtration –Diatomaceous earth filter, seitz filter, membrane filter and laminar air flows Radiation Ionizing radiation y rays and non-ionizing Radiation- UV-rays.
7. Chemical methods: Alcohol, aldehydes, phenols, halogen, metallic salts, Quaternary ammonium compounds and sterilizing gases as antimicrobial agents. Selection of a chemical agent for practical applications. Modes of actions of these chemicals.
8. DISINFECTION: - O.T FUMIGATION, ULTRAVIOLET DISINFECTION.
9. STERLISATION OF SHARP INSTRUMENTS,
10. USE OF ANTISEPTICS SPIRIT, CETAVELON, SAVLON, DETTOL, CARBOLIC ACID, BETADINE,
11. AUTOCLAVING:- TYPES OF AUTOCLAVE, WORKING, PRINCIPLES, METHODS AND DETAIL OF USE.
12. Identification of common instruments used in hospital like various OT Instruments for Surgery, Dental Surgery etc.
13. Universal Biosafety Procedures
14. Quality assurance protocols / methods in CSSD.
15. Management of Safety and Accidents in CSSD

