

12. These guidelines are subject to change in terms of GOI guidelines/ clarifications, if any, from time to time.

Scheme of Examination: The examination will adjoin a Computer Based online /offline mode of exam for the post of *CSSD Technician* is as below:

The examination will consist subject mentioned below for the post of *CSSD Technician*:

Part	Subject	Max. Marks/ Questions	Time Duration
A	Basic Anatomy, Basic Physiology, Basic Pathology & Microbiology	40	2½ Hours*
B	Disinfection, Packaging and assembly line, Sterilization Methods, Sterilization record keeping	40	
C	Quality Assurance, Quality Standards	40	

Indicative Syllabus for Examination for the post of *CSSD Technician*:

1. Basic Anatomy:

1. General Introduction – Definition of Anatomy & Physiology. – Types of Anatomy (including systemic) – Definition of topographic term/term used to describe the body. – Description of Various regions of the body.
2. Cells and tissues of body and general histology.
3. Anatomical description of the following:
 - Skin and breast
 - Ontology
 - Joints
 - Ligaments
 - Fasciae and Bursae Musculoskeletal system
 - Cardiovascular system – Respiratory system – Lymphatic system
 - Blood and blood forming organs
 - congenital system
 - Endocrine system
 - Organs of special senses (ear, eye, etc.)
 - Digestive system
 - Embryology

Basic Physiology:

Introductory Lectures or specialization of tissues. Homeostasis and its importance in mammals.

Blood and lymphatic system, Cardiovascular system, Excretory system, skin and temperature regulation, Respiratory System, Digestive system and metabolism Endocrinology, Reproductive system, Nervous system, Special senses, Muscles

Basic Pathology and Microbiology:

Definitions and Classification of diseases

- Inflammatory diseases – viral and fungal, Parasitic.
- Degenerative diseases – Fatty degeneration, Amyloidetc.
- Tumors – Definition, etiology& classification.



Disturbances in blood flow, pigment disorders, hereditary diseases, C.V.S. Blood vessels, Heart, Respiratory system, G.I. tract, Liver Lymphatic system, genitourinary system, skeletal system, Blood, Central Nervous system, Endocrine system Clinical Pathology – Normal composition of blood; diseases of RBCs, WBCs, Platelets. Coagulation factors and disorders Blood groups and cross – matching, Blood transfusion, in common diseases, CSF and body fluids, Gastric & Duodenal contents, parasites, Introduction and historical background, Classification special, Characteristics of organisms bacteria, Asepsis, Disinfection, Antiseptics, Sanitation, Infection, Immunity, Allergy, Study of pathogenic organisms, Non-pathology organisms, Virus and fungus, Parasitic diseases- their stance in India with lab Diagnosis.

- 2. Operation theatre techniques:** Operation theatre techniques, Surgical Procedures Organize and set up trolleys for theatre Tracking and recall of equipment items, Surgical Instruments, Criteria for Purchase and Maintenance Checking in and out of loan instruments Decontamination Process Scientific Principles Recommended Practices.

Disinfection: Principles of Disinfection Cleaning of equipment, Use of detergents Sonic washers /Mechanical cleaning apparatus Cleaning of catheters and tubing's, cleaning glass ware, cleaning syringes and needles, Preparation and Supplies for Terminal Sterilization.

Packaging and assembly line : Precautions while handling instruments and line, Assembly and packing, Packaging selection and use, Materials used for wrapping and packing assembling pack contents. Types of packs prepared. Inclusion of trays and gallipots in packs. Method of wrapping and making use of indications to show that a pack of container has been through a sterilization process date stamping.

Sterilization Methods: Different Methods of Sterilization, High Temperature Sterilization – Dry Heat Moist heat sterilization EO gas sterilization, H₂O₂ gas plasma vapor sterilization Endoscopes and their Sterilization Recommended Practices for Flash Sterilization

Sterilization record keeping: Sterile storage, Call back system in case of detection of failure, HVAC system, Records & register maintenance.

- 3. Quality assurance:** Biological indication and quality control Quality measurement methods and its standards.

Quality Standards: International Organization for Standardization (ISO) standards Water Quality and its impact in CSSD process biomedical waste disposal protocols.

**Compensatory time of 1 hour will be provided to PwD candidates, who are eligible for the same as mentioned in Para-12 above.*

Questions will be Objective Type Multiple Choice, Set in both Hindi and English in respect of Part-A, B & C.

There will be negative marking of 0.25 marks for each wrong answer.

Note – I: The Institute reserves the right to conduct the examination through Computer based online / offline mode. The Institute also reserves the right to introduce additional stage of examination which would be notified at suitable time if considered necessary.

