

**THE APOLLO UNIVERSITY**

**Saketa, Chittoor, AP**

**AHS- IV Semester End Examination, June, 2024**

**PAPER -III – AOTT 2506- CSSD PROCEDURES & MANIFOLD**

**Time: 3 hours**

**Max. Marks: 60**

**Section –A (10x2=20 marks)**

**Answer all Questions with Short Answers**

1. What is the importance of CSSD in ensuring the availability of sterile instruments for surgeries.
2. How does CSSD manage the validation and monitoring of sterilization processes?
3. What are the advantages of enzymatic cleaning agents in CSSD decontamination processes?
4. What is the purpose of biological monitoring in CSSD sterilization processes?
5. Name two instances in CSSD where strict adherence to hand hygiene is crucial
6. How does effective labeling help prevent cross-contamination in CSSD?
7. What measures can be taken to troubleshoot common issues with washer-disinfectors in CSSD?
8. List the common signs indicating the need for repairs in CSSD equipment
9. List the medical gases commonly used for anesthesia and critical care.
10. Recall the parts and the material of the medical gas cylinder.

**Section –B (5X8=40 marks)**

**Answer all Questions either A or B in 400 words each**

11. A) Describe the regulatory standards and guidelines that CSSD adheres to in maintaining a safe and sterile environment within healthcare facilities.

**OR**

- B) Define disinfection and discuss the various applications of disinfection within CSSD, emphasizing its importance in healthcare setting.

**Cont....**

12. A) Elaborate on the safety protocols and precautions necessary during manual cleaning, mechanical cleaning (using ultrasonic cleaners), and enzymatic cleaning in CSSD.

**OR**

B) Discuss the importance of chemical and biological indicators in CSSD sterilization procedures to ensure continuous quality control.

13. A) Discuss Hand hygiene and how consistent hand hygiene compliance among CSSD staff contributes to patient safety.

**OR**

B) Assess the significance of rigorous cross-contamination prevention strategies in CSSD.

14. A) Describe the potential causes and systematic approach to identifying and rectifying sterilization failures in CSSD, including the necessary documentation and follow-up actions.

**OR**

B) Establish a protocol for documenting and reporting sterilization failures in CSSD, highlighting the necessary information, follow-up actions, and reporting channels.

15. A) What is the capacity, pressure, colour code, pin index, and storage techniques of O<sub>2</sub>, N<sub>2</sub>O, and CO<sub>2</sub> medical cylinders?

**OR**

B) Explain the role of pressure regulators, pressure gauge, alarms, shut-off valves, and heaters in medical gas manifold systems.

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