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ROLL NUMBER:.....

WRITTEN TEST FOR MFCP
TECHNICAL ASSISTANT - A TO B (CSR)

DATE: 03.05.2016

DURATION: 60 MINUTES

TIME: 09:30 Hrs.

TOTAL MARKS: 50

INSTRUCTIONS TO THE CANDIDATES

1. Write your Roll Number on the top of the Question Booklet and in the answer sheet.
2. Write legibly the alphabet of the most appropriate answer in the separate answer sheet provided.
3. There will not be any Negative Marking.
4. Over-writing is not permitted.
5. Candidate should sign in the question paper and answer sheet.
6. No clarifications will be given.
7. Candidate should hand over the answer sheet and question paper to the invigilator before leaving the examination hall.

Signature of the Candidate

1. All of the following statements concerning autoclaving are true, except:
 - A. Under 15 p.s.i of pressure, water boils at 121°C
 - B. In order for an item to be sterilized in an autoclave, steam must contact its entire surface.
 - C. Any material that needs to be sterilized should be autoclaved.
 - D. Large volumes or solid substances require longer autoclaving times.
2. Which of the following terms includes the destruction of bacterial endospores?
 - A. Antisepsis
 - B. Sterilization
 - C. Sanitation
 - D. Disinfection
3. All of the following are example of ionizing radiation, Except
 - A. X rays
 - B. Gamma rays
 - C. Ultra violet light
 - D. Electron beams
4. The physical or chemical process that renders an inanimate object that may be contaminated with harmful microbial life, safe for further handling is known as-.
 - A. Decontamination
 - B. Cleaning
 - C. Either A or B
 - D. None of the above
5. The equipment that works by converting high-frequency sound waves into mechanical vibrations and free soil from the surface of instruments, after manual cleaning and is used before sterilization.
 - A. Washer –disinfector
 - B. Dish washer
 - C. Ultrasonic cleaner
 - D. Sterilizer
6. The materials and techniques used for packaging must allow to contact the device during the sterilization process.
 - A. Sterilizer
 - B. Technician
 - C. Sterilant
 - D. Package
7. What is the primary step the CSSD technician should follow when there is doubt about the method of sterilization or operation of sterilizer?
 - A. Follow the sterilizer manufacturer's directions
 - B. Refer the department manual
 - C. Consider the precedence
 - D. Do as required by the user department

8. What is the possible method of quality check if you ensure of sterility for an item that is to be sterilized and used immediately?
 - A. Biological Indicator
 - B. Mechanical parameters and chemical indicator
 - C. Chemical indicator
 - D. None of the above
9. How does the sterilization take place in a pre vacuum steam sterilizer?
 - A. The incoming steam displaces residual air through an open vent as part of the sterilizer and sterilization takes place when the set parameters are met.
 - B. A minimum temperature- time relationship must be maintained throughout the procedure.
 - C. By exposing each item to direct steam contact, maintaining temperature and pressure for a specified time.
 - D. By means of series of pressure and vacuum excursions or by means of series of steam flushes and pressure pulses above atmospheric pressure
10. The boiler is often clogged with mud and dirt. Practically how can it be avoided or reduced?
 - A. Cleaning the tank daily
 - B. Use filtered/distilled/RO water
 - C. Purchasing a better sterilizer
 - D. Operating by an experienced technician
11. Which is the most frequent work hazard while using the autoclave?
 - A. Electric shock
 - B. Accidental slipping on the floor
 - C. Low back ache.
 - D. Burns
12. What is the essential first step to any effective terminal reprocessing procedure for reusable medical disposables or instruments/
 - A. Reduction of bio burden
 - B. Selection of sterilant
 - C. Proper placement in the sterilizer
 - D. Correct labeling
13. Why do we incubate an unsterile BI along with a sterile BI
 - A. To have a positive sample
 - B. To confirm that the ampoule contain viable microorganism
 - C. To check whether the incubator is working
 - D. As a trial sample from the fresh supply of BI
14. HIV is sensitive to all of the below, EXCEPT
 - A. Hydrogen peroxide
 - B. 70% alcohol
 - C. Heat above 60 degree C
 - D. Gamma rays

15. Ratio of the actual water vapor pressure in a system to the saturated water vapor pressure in the system at the same temperature-
 - A. Wet heat sterilization
 - B. Low temperature sterilization
 - C. Relative humidity
 - D. Controlled chamber pressure
16. What is essential condition to make it possible for plasma sterilization?
 - A. Optimal vacuum in the chamber
 - B. Proper arrangement of item in the chamber
 - C. Exposure to strong electric or magnetic field in a closed chamber
 - D. None of the above
17. The simple and most effective method of infection control in a hospital is.
 - A. Hand Hygiene
 - B. Waste disposal
 - C. Sterilization
 - D. PPE
18. The parameters that are to be fulfilled for proper EO sterilization include
 - A. Concentration of EO gas
 - B. Temperature
 - C. Time
 - D. All of the above
19. How can you prevent the risk of transmission of Hepatitis B infection?
 - A. Use of PPE
 - B. Vaccination
 - C. Safe injection practices
 - D. All of the above
20. Bio medical waste should not be kept in a health care facility for more than----- hours.
 - A. 12 hrs
 - B. 24 hrs
 - C. 48 hrs.
 - D. 72 hrs
21. Set of practices used to prevent the transmission of micro-organisms from both recognized and unrecognized sources.
 - A. Aseptic precautions
 - B. universal precautions
 - C. standard precautions
 - D. transmission based practices
22. In which of the case flash sterilization is contraindicated?
 - A. Emergency case
 - B. Elective surgical procedures
 - C. In sterilizing implantable items
 - D. Minor surgical procedures.

23. Which of the following bag is used to collect infectious non plastic waste?
- A. Red
 - B. Yellow
 - C. Black
 - D. Green
24. Appropriate use of personal protective equipments in CSSD include—
- A. Gloves, goggles, shoe cover
 - B. Gloves, goggles, gown
 - C. Gloves, gown, shoe cover
 - D. gown, goggles, shoe cover
25. Which of following should be given to a person as a Post Exposure Prophylaxis?
- A. Both Hep. B vaccination and Hep B immunoglobulin
 - B. Hep. B vaccination
 - C. Hep B immunoglobulin
 - D. Only Tetanus toxoid
26. Which of the following item is not suitable for EO sterilization?
- A. Polypropylene
 - B. Metals
 - C. Polyvinyl chloride
 - D. Cotton.
27. Chemical sterilant used for plasma sterilization
- A. Silver nitrate
 - B. Ethylene oxide
 - C. Formaldehyde
 - D. Hydrogen peroxide
28. Universal precautions are specifically meant for avoiding transmission of -----
- A. Blood born pathogen
 - B. Water born pathogen
 - C. Food born pathogen
 - D. All the above
29. Equipment soiled with organic material should be first washed in -----
- A. Hot water
 - B. Cold water
 - C. Chemical disinfectant
 - D. Mixed water
30. Inventory means
- A. Register
 - B. Files
 - C. An adequate number of stores
 - D. Purchasing

31. First-in – First out principle is to be followed in
 - A. Purchase
 - B. Stores
 - C. Requirement
 - D. Transportation
32. Major objectives of inventory control include the following except
 - A. To ensure adequate supply
 - B. To prevent economic loss
 - C. To promote pilferage
 - D. To facilitate utility
33. What it means by HML analysis in the material management?
 - A. High, medium and low cost
 - B. Hierarchy, moderate and lowering estimate
 - C. Hierarchy, molding and lowering estimate
 - D. High, moderate and limiting estimates
34. Material management is a scientific technique concerned with
 - A. Planning, organizing and control of material
 - B. Planning and organizing budget for material
 - C. Planning and organizing policies
 - D. Planning and supplying material
35. Process of material management
 - A. Budgeting, demand, forecasting and procurement
 - B. demanding and bargaining
 - C. Delegating, controlling and planning
 - D. Demanding and preparing bills
36. It is essential to clean items before reprocessing because
 - A. it make them easier to sterilize
 - B. it removes all organic material, particularly from crevices as channel
 - C. it makes them smell better
 - D. it ensures that the PH of the biocide is not affected by organic material
37. Which of the following term is defined as the destruction of vegetative pathogens but not bacterial endospores
 - A. disinfection
 - B. antisepsis
 - C. sterilization
 - D. degeneration
38. Any damage of equipment must be
 - A. reported to your supervisor
 - B. throw away the equipment immediately
 - C. labeled as damaged before use
 - D. locked up, so no one can use it

39. Which is the final quality check used to verify that all conditions for sterilization were met?
- A. Checking the Chemical indicator kept with the load.
 - B. Sending a swab for culture
 - C. using a biological indicator.
 - D. Referring the label
40. What is the term used for the period of time that a maintenance system fails to provide or perform its primary function.
- A. Up time
 - B. Down time
 - C. Optimal time
 - D. Running time
41. The energy levels are to be measured and discrepancy from the indicated levels must be adjusted until the device functions within the specifications-
- A. testing
 - B. Maintenance
 - C. Consulting the representative
 - D. Calibration
42. How much degree centigrade is known as "absolute zero"
- A. 272 degrees centigrade
 - B. 273 degrees centigrade
 - C. "0" degrees centigrade
 - D. 37 degrees centigrade
43. Infra red radiation is emitted by all objects warmer than
- A. 37 degrees centigrade
 - B. 270 degrees centigrade
 - C. Minus 273 degrees centigrade
 - D. 38 degrees centigrade
44. Ethylene Oxide is a highly toxic agent, which destroys microorganisms by a process called _____
- A. cavitation
 - B. oxidation
 - C. osmosis
 - D. alkylation
45. Sterilization involves the use of a physical or chemical procedure to:
- A. remove visible soil from surgical instruments
 - B. destroy non-pathogenic organisms
 - C. destroy all forms of microbial life including highly resistant bacterial spores
 - D. destroy all forms of microbial life except highly resistant bacterial spores

46. If the _____ is too high, the established sterilization parameters may not be adequate rendering the sterilization process ineffective:
- A. temperature
 - B. bioburden
 - C. pH
 - D. vacuum
47. The most widely used, effective, economical and reliable method of sterilization used in the health care setting is:
- A. gas plasma
 - B. ethylene oxide
 - C. peracetic acid
 - D. steam
48. The no. of days of Earned leave added to the credit of an employee for every completed month of service is
- A. 2 days
 - B. 2 ½ days
 - C. 3 days
 - D. 3 ½ days
49. Leave on duty permissible to a Non academic employee for attending professional conferences is limited to ----- days / Year
- A. 20
 - B. 5
 - C. 15
 - D. 10
50. The time scale for performance appraisal for a probationer in SCTIMST is _____.
- A. annual
 - B. quarterly
 - C. half yearly
 - D. as and when required