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ROLL NUMBER

WRITTEN TEST FOR THE POST OF TECHNICIAN (CSR) – A

DATE : 30/06/2017

TIME : 09.30 AM

DURATION : 90 MINUTES

TOTAL MARKS : 80

INSTRUCTIONS TO THE CANDIDATE

1. Write your Roll Number on the top of the Question Booklet and in the OMR sheet.
2. Each question carries 1 mark.
3. There will not be any Negative Marking.
4. Darken only the bubble corresponding to the most appropriate answer.
5. Marking more than one answer will invalidate the answer.
6. Candidate should sign on the question paper and OMR sheet.
7. Candidate should hand over the question paper and OMR sheet to the invigilator before leaving the examination hall.

Signature of the Candidate

WRITTEN TEST FOR THE POST OF TECHNICIAN (CSR) - A

1. Expand CSSD
 - A. Central sub sterile department
 - B. Central sterile supply department
 - C. Central sequent sterile department
 - D. Central unsterile department
2. What is sterilization?
 - A. Killing of micro organisms
 - B. Killing of spores
 - C. Killing of micro organisms and spores
 - D. Killing the germs
3. What is steam autoclave?
 - A. Sterilizing the instruments at certain temperature
 - B. Sterilizing the instruments at low temperature
 - C. Sterilizing of the equipment
 - D. Sterilizing instruments with very low temperature
4. What is the temperature maintained for steam autoclave?
 - A. 121°c
 - B. 138°c
 - C. 134°c
 - D. A & C
5. For implants BI indicator must be used in
 - A. Each load
 - B. Daily
 - C. Weekly
 - D. Monthly
6. Elaborate ETO?
 - A. Etheline oxide
 - B. Ethylene oxide
 - C. Ethyle oxide
 - D. Ethyle oxygen
7. What chemical is used in plasma sterilization?
 - A. H₂O₂
 - B. Peroxide
 - C. None
 - D. CO₂
8. What is monitored during leak test?
 - A. Monitoring the functioning of the steam autoclave
 - B. Monitoring the temperature
 - C. Monitoring of the water level
 - D. Monitoring of air level
9. What is BOWIE dick test?
 - A. Leak test
 - B. Sterile test
 - C. Chemical test
 - D. Mechanical test
10. How many cycles are there in plasma sterilization?
 - A. Two cycles
 - B. One cycle
 - C. Three cycles
 - D. Five cycles
11. What is meant by B I?
 - A. Biologic indicator
 - B. Biological indicator
 - C. Bio-hazard indicator
 - D. Bio indicator
12. Which bacteria is used in steam BI ?
 - A. Geo thermo fillers
 - B. G. stearo thermophilus
 - C. Thermo fillers
 - D. G.Thermo fills

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13. Which bacteria is used in ETO BI?
A. Bacillus atrophaeus
B. Geo bacillus stearophilus
C. G.bacillus atropheaus
D. G.atrophaens
14. Which bacteria is used in plasma BI?
A. Geo bacillus stearothermophilus
B. G. Stearo thermophilus
C. Bacillus atrophaeus
D. Geo atrophlus
15. What is the time duration for each plasma cycle?
A. 28 mins & 38 mins
B. 25 mins
C. 25 mins & 35 mins
D. 1hr &2hrs
16. Storage area in CSSD should ideally have?
A. Positive pressure
B. Negative pressure
C. Neutral pressure
D. Any of the above
17. What temperature is maintained for ETO sterilization?
A. 50-55° c
B. 55°c
C. 50-60°c
D. 22-35°c
18. How long can ETO sterilized pack be considered as sterile?
A. 1 year
B. 6 months
C. 3-5 months
D. 3 day
19. How many days steam autoclave pack can be used?
A. 5 days
B. 8 days
C. 3days
D. 4 days
20. Peel pouch packed plasma instruments / items can be used for _____?
A. 1year
B. 1.5 years
C. 6months
D. 3 day
21. How do you assure that the tray is sterilized?
A. By placing the 1,2,4,3 indicator
B. Identified by class 1 indicator and doco label
C. Both(A&B)
D. class 5 indicator
22. Which class indicator is used inside the sets?
A. class 1 indicator
B. class 5 indicator
C. class 2 indicator
D. Not required any indicator
23. Who announces the "RECALL"?
A. CSSD HOD
B. Medical Superintendent
C. Nursing Director
D. Operations HOD
24. What is the temperature to sterile room?
A. 21-25°c
B. 24°c
C. 30°c
D. 40°c
25. What is the level of humidity in the sterile area?
A. 50°c
B. 30-40°c
C. 45-60°c
D. 25°c
26. If an autoclaved tray is found with water, under which category would you consider it?
A. Sterile tray
B. Unsterile tray
C. Dirty tray
D. Used tray

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27. How should the sterile trays be carried from CSSD to concerned departments?
- A. Open trolley
 - B. Closed trolley
 - C. By hand
 - D. Plastic cover
28. Which is the first zone of CSSD?
- A. Washing and decontamination zone
 - B. Washing zone
 - C. packing zone
 - D. Sterile zone
29. Which is the high level zone of CSSD?
- A. Packing zone
 - B. Sterile zone
 - C. No entry zone
 - D. Washing zone
30. What is traffic control in CSSD?
- A. Unidirection
 - B. Bidirection
 - C. Tridirection
 - D. No direction
31. Name the packing material used for plasma?
- A. Tyvek & sms wraps
 - B. Linen
 - C. polythene cover
 - D. Paper cover
32. How do you identify that the tray is sterile by using doco lable?
- A. Change in colour from blue to black
 - B. Change in colour from red to blue
 - C. Change in colour from black to blue
 - D. No change in the colour
33. What type of water is used in sterilization machine?
- A. Raw water
 - B. Distilled water
 - C. RO water
 - D. Normal saline
34. What is meant by PCD?
- A. Process challenge device
 - B. Period change device
 - C. Periodic cleaning device
 - D. Process cleaning device
35. 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 bacterial spores
 - D. Destroy all forms of microbial life except highly resistant bacteria spores
36. If the _____ is too high the established sterilization parameters may not be adequate rendering the sterilization process ineffective:
- A. Temperature
 - B. Bio burden
 - C. pH
 - D. Vacuum
37. The most widely used, effective, method of sterilization used in the health care setting is:
- A. Gas plasma
 - B. Ethylene oxide
 - C. Per acetic acid
 - D. Steam

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38. Ethylene Oxide is a highly toxic agent, which destroys microorganisms by a process called ____
- A. Cavitations
 - B. Oxidation
 - C. Osmosis
 - D. alkylation
39. _____ has established permissible exposure limits to EO and requires continuous monitoring of the work area and personnel:
- A. OSHA
 - B. EPA
 - C. JCAHO
 - D. DPH
40. Plasma is not compatible with:
- A. Heat sensitive devices
 - B. Items with lumens
 - C. Paper products
 - D. Both B & C
41. An advantage of plasma sterilization is:
- A. It is less expensive than ETO and total cycle times are shorter
 - B. It is free of environmental, occupational and patient safety concerns
 - C. All peel pouches, disposable wraps, and containers can be used
 - D. Both A & B
42. Which of the following articles can be sterilized in an autoclave?
- A. Gloves
 - B. Culture media
 - C. Dressing material
 - D. All of these
43. Which of the following items could be sterilized by dry heat sterilization?
- A. Rubber gloves
 - B. Plastic dishes
 - C. Glass pipette
 - D. Papers
44. _____ is the recommended area for the CSSD in the hospital?
- A. 6 to 10 square feet per bed
 - B. 10 to 10 square feet per bed
 - C. 15 to 18square feet per bed
 - D. 6 to 8 square feet per bed
45. Which of the following disinfectants acts by disrupting microbial membranes?
- A. Heavy metals
 - B. Halogens
 - C. Cationic Detergent
 - D. Sterilizing gases
46. Which of the following scientist introduced the sterilization technique?
- A. Louis Pasteur
 - B. Joseph Lister
 - C. Jhon needham
 - D. Robert Koch
47. For sterilization to occur steam must
- A. Make direct contact with all surfaces
 - B. super heated
 - C. Be flushed in to each pack
 - D. Letting the load come to 240°c than starting
48. Preconditioning of the sterilizer load is done by
- A. Running the sterilizer for 1mint and then restarting the load
 - B. Placing the load in the sterilizer and closing the door 15mins
 - C. Letting the load come to room temperature and then starting
 - D. Letting the load come to - 1°temp and than starting

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49. Which of the following will occur if packages are moist at the end of the steam cycle?
- A. Mold can form on the package
 - B. The package will be too hot to handle
 - C. Bacteria can wick in to the package
 - D. Sterilize the pack
50. For sterilization paper, plastic, peel packages should be placed
- A. On their edge
 - B. Paper side done
 - C. Plastic side done
 - D. Bottom and top
51. In a mixed load of textile and metal goods the textile packs should be placed
- A. On the bottom rack
 - B. Alternately on each rack
 - C. On the top rack
 - D. Middle
52. What is used to verify that the sterilizer air removal mechanism is functioning properly?
- A. Dynamic air removal test
 - B. Sterilizer indicator tape test
 - C. Bacterial spore strip test
 - D. Viral test
53. Which of following monitoring methods verifies that conditions with the load were adequate to kill bacterial spores?
- A. Physical
 - B. Biological
 - C. Chemical
 - D. All of the above
54. A class 5 indicator is called a
- A. Integrator
 - B. Process indicator
 - C. Single parameter indicator
 - D. Double
55. The bowie dick test is now known as the
- A. Dynamic air removal test
 - B. Air challenge test
 - C. Process challenge test
 - D. Diagnostic test
56. What should be done if the dynamic air removal test fails the first time?
- A. Call for service
 - B. Repeat the test one more time
 - C. shut down the sterilizer then turn it back on
 - D. None of the above
57. If a biological test is performed daily how often is it necessary to incubate a control biological indicator
- A. With each BI Placed in the incubator
 - B. Once a day and if a new load number is used
 - C. With each new case of BI
 - D. Only in 1st load
58. In the event of a positive BI how many loads should be recalled
- A. Only affected load
 - B. All loads containing implants
 - C. All loads back to the last negative BI
 - D. Middle load

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59. Routine BI testing for the steam sterilizers should be performed
- A. Daily
 - B. Weekly
 - C. Every other day
 - D. Monthly
60. Which of following is critical to EO Penetration of bacterial cell?
- A. Humidity
 - B. Temperature
 - C. Hydrogen
 - D. Water
61. The bowie-dick test ensures that the prevac sterilizer is
- A. Reaching the correct temperature
 - B. Supplying the proper amount of gluteraldehyde
 - C. Reaching the correct PSI
 - D. Properly removing all the air from the sterilizer during cycles
62. How do you identify that autoclave pouch has reached optimum temperature needed for sterilization?
- A. Amount of time in the autoclave
 - B. Colour change on the pouch indicator
 - C. How clean they look
 - D. Indicator change in to red colour
63. What does an autoclave use for sterilization?
- A. Chemicals
 - B. Soap
 - C. Steam Pressure
 - D. Humidity
64. The three parameters of steam sterilization are
- A. Steam under pressure, time, and temperature
 - B. Time, temperature, and concentration
 - C. Temperature, time, and humidity
 - D. Pressure, concentration, air
65. Autoclave sterilization is a _____ class of device?
- A. Class 1
 - B. Class 2
 - C. Class 3
 - D. No class
66. When the box locks on instruments are stiff and difficult to open they are placed in
- A. Washer sterilizer
 - B. Water soluble lubricant bath
 - C. Oil
 - D. Mud
67. Terminal sterilization means
- A. To disinfect an item with a bactericidal product
 - B. To render an item safe to handle by sterilization
 - C. To make an instrument surgically clean
 - D. To make the instruments sharp
68. What is the full form of SAL?
- A. Sterility Assurance Level
 - B. Sterile Asset limited
 - C. Sterilization Assurances Level
 - D. Sterility Access Level
69. Hygrometer is an equipment:
- A. To test hydrogen in the atmosphere
 - B. To measure height of a CSSD
 - C. To check the health of a CSSD technician
 - D. To measure the humidity level

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70. Concentration of multi enzyme cleaner for washing OT instruments is?
A. 2% B. 3% C. 1% D. 5%
71. Example of a sterilant is
A. Water B. Alcohol C. Ethylene oxide D. Betadine
72. Which of the following article can be sterilized in an autoclave?
A. Gloves C. Dressing material
B. Culture media D. All of the above
73. One drawback of the use of ultraviolet light as a sterilizing agent is its
A. Failure to kill bacteria
B. Failure to kill bacterial spores
C. Failure to kill microbes in a closed environment
D. Failure to kill microbes located in the center of an object
74. Which of the following is a limitation of the autoclave?
A. It takes too long to sterilize
B. It lacks the ability to inactivate viruses
C. It lacks the ability to kill endospores
D. It will destroy heat labile materials
75. The sterile storage area in a CSSD should be restricted to:
A. Central service managers and supervisors
B. Operating room personnel
C. central service employees only
D. Properly attired personnel meeting facility requirements
76. Which of the following does not kill endospores?
A. Autoclave C. Hot air sterilization
B. Incineration D. Pasteurization
77. The time required to kill 90% of the microorganisms in a sample at a specific temperature is the
A. Decimal reduction time C. F.Value
B. Thermal death point D. DValue
78. Which of following is the best used for long term storage of microbial samples when carried out properly?
A. Storage in a freezer at -10°C
B. Storage in a freezer at ultra low temperatures (70°C)
C. Storage in a refrigerator on an agar slant
D. Storage on a Petri plate at room temperature
79. Which of the following substances can be used as a sterilizer agent?
A. Alcohol C. Hydrogen peroxide
B. Cetylpyridinium chloride D. Chlorine
80. Which is the first step in the sterilization process
A.Receiving B. Sorting C. Soaking D. Cleaning

TECHNICIAN (CSR)-A-ANSWER KEY (30/06/2017)

1	B	31	A	61	D
2	C	32	A	62	B
3	A	33	C	63	C
4	D	34	A	64	A
5	A	35	C	65	A
6	B	36	B	66	B
7	A	37	D	67	B
8	A	38	D	68	A
9	A	39	A	69	D
10	A	40	C	70	C
11	B	41	D	71	C
12	B	42	D	72	D
13	A	43	C	73	D
14	A	44	A	74	D
15	A	45	C	75	D
16	A	46	A	76	D
17	C	47	A	77	D
18	B	48	B	78	B
19	C	49	C	79	C
20	B	50	A	80	D
21	C	51	B		
22	B	52	A		
23	A	53	B		
24	B	54	A		
25	C	55	A		
26	B	56	B		
27	B	57	B		
28	A	58	C		
29	B	59	A		
30	A	60	A		