

Select the best answer:

المجموعة: الاولى a

الرقم:

الاسم:

Total  
Marks (20)

- 1- Antiseptic is an agent which :
  - a) Kills microorganisms on the floor of hospitals.
  - ☒ b) Kills microorganisms on the skin.
  - c) All of the above.
- 2- The vaseline used in eye ointments should be sterilized by:
  - ☒ a) Hot air oven.
  - b) Autoclave
  - c) None of the above.
- 3- The time required to kill 90% of bacteria at certain temperature is called:
  - a) Thermal death point
  - b) Thermal death time
  - ☒ c) Decimal reduction time
  - d) None of the above
- 4- The sterilization temperature of the following is below 100°C:
  - a) Tyndallization
  - b) Pasteurization
  - c) Hot air oven
  - d) All of the above
  - ☒ e) A and B
- 5- Milk is sterilized by :
  - a) Pasteurization
  - b) Ultra high temperature
  - c) Hot air oven
  - d) All of the above
  - ☒ e) A and B
- 6- When you boil milk in home, then it becomes sterilized by:
  - a) Dry heat
  - ☒ b) Moist heat
  - c) None of the above
- 7- The following method is used for sterilization of body fluids:
  - a) Pasteurization
  - b) Ultra high temperature
  - c) Autoclave
  - ☒ d) Tyndallization
- 8- Sterilization by steam at 100°C is used for sterilization of:
  - a) Body fluids
  - ☒ b) Media for bacteria containing sugar
  - c) Milk
  - d) All of above
  - e) None of the above
- 9- Sterilization by heating at 100°C with bactericidal is used for:
  - a) Body fluids
  - b) Media for bacteria containing sugar
  - c) Milk
  - ☒ d) Injections sensitive to heat
  - e) None of the above

10- Sterilization is important to:

- a) Sterilize all pharmaceutical products.
- b) Kill only microorganisms that are able to cause diseases
- c) Kill only microorganisms that are not able to cause diseases.
- d) A, b, and C.
- ☒ e) None of the above.

11- Which of the following is correct regarding sterilization by autoclave:

- a) The greater the pressure the higher the temperature of water boiling
- b) The greater the pressure the lower the time required for sterilization.
- c) The latent heat is transferred from water directly to the materials to be sterilized.
- d) All of the above
- ☒ e) Both A and B.

12- The steam obtained in the autoclave should have the following characters:

- a) Free from air
- b) Contains latent heat
- ☒ c) Both A and B.

13- Which of the following factors does not affect the sterilization:

- a) Exposure time.
- b) Number of microbes present on the surface to be treated.
- c) Presence of blood on the surface to be treated.
- d) Type of microbe.
- ☒ e) None of the above

14- Disinfectant is an agent which :

- ☒ a) Kills microorganisms on in the floor of hospitals.
- b) Kills microorganisms on the skin.
- c) A and B.

15- An agent which kills bacteria on materials which become in contact with food is called:

- ☒ a) Sanitizer.
- b) Disinfectant
- c) Neither a or b

16- Bactericidal agent is an agent which:

- ☒ a) Kills bacteria. ✓
- ☒ b) Stops the growth of bacteria without killing it.
- c) Neither a or b

17- Alcohol 70% is an example of:

- ☒ a) Antiseptic ✓
- ☒ b) Disinfectant
- c) Neither a or b

18- Ultra high temperature kills bacteria by:

- a) Acting on bacterial cell wall.
- b) Acting on bacterial cell membrane.
- ☒ c) Coagulation of proteins.
- d) None of the above.

19- Sterilization could be:

- a) Biological sterilization
- ☒ b) Physical
- c) Electrical sterilization
- d) All of the above

20- Plastic syringes could be sterilized by:

- a) Hot air oven.
- b) Autoclave
- ☒ c) None of the above.

Select the best answer:

المجموعة: الأولى b

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- 1- Antiseptic is an agent which :
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  - ☒ c) Coagulation of proteins.
  - d) None of the above.
- 7- The mechanism of sterilization could be:
  - a) Biological
  - ☒ b) Physical
  - c) Electrical
  - d) All of the above
- 8- Plastic syringes could be sterilized by:
  - a) Hot air oven.
  - b) Autoclave
  - ☒ c) None of the above.
- 9- The Vaseline used in eye ointments should be sterilized by:
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- 10- The time required to kill 90% of bacteria at certain temperature is called:
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- 11- When you boil milk in home, then it becomes sterilized by:
  - a) Dry heat
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  - c) None of the above

Total  
Marks (20)

- 12- The sterilization temperature of the following is below 100°C:
- a) Tyndallization
  - b) Pasteurization
  - c) Hot air oven
  - d) All of the above
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- a) Pasteurization
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- 15- Sterilization by steam at 100°C is used for sterilization of:
- a) Body fluids
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  - c) Milk
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- 16- Sterilization by heating at 100°C with bactericidal is used for:
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  - e) None of the above
- 17- Sterilization is important to:
- ☒ a) Sterilize all pharmaceutical products.
  - b) Kill only microorganisms that are able to cause diseases
  - c) Kill only microorganisms that are not able to cause diseases.
  - d) A, b, and C.
  - ☒ e) None of the above. ✓
- 18- Which of the following is correct regarding sterilization by autoclave:
- a) The greater the pressure the higher the temperature of water boiling
  - b) The greater the pressure the lower the time required for sterilization.
  - c) The latent heat is transferred from water directly to the materials to be sterilized.
  - d) All of the above
  - ☒ e) Both A and B.
- 19- The steam obtained in the autoclave should have the following characters:
- a) Free from air
  - b) Contains latent heat
  - ☒ c) Both A and B.
- 20- Which of the following does not affect the sterilization process:
- a) Exposure time.
  - b) Number of microbes present on the surface to be treated.
  - c) Presence of blood on the surface to be treated.
  - d) Type of microbe.
  - ☒ e) None of the above

**Select the best answer:**

المجموعة: الثانية c

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  - a) Kills bacteria.
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- 4- An agent which kills bacteria on materials which become in contact with food:
  - a) Sanitizer.
  - b) Disinfectant
  - c) Neither a or b
- 5- Radiation kills bacteria by affecting:
  - a) Bacterial cell wall.
  - b) Bacterial cell membrane.
  - c) Bacterial nucleic acid
  - d) All of the above.
- 6- Hot air oven kills bacteria by:
  - a) Acting on bacterial cell wall.
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- 7- The mechanism of sterilization could be:
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  - d) None of the above
- 10- The following are examples of dry heat sterilization:
  - a) Flaming
  - b) Incineration
  - c) Hot air oven
  - d) All of the above.

- 11- Plastic syringes could be sterilized by:
- a) Hot air oven.
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