



المجموعة:

رقم الكشف:

اسم الطالب:

10 Marks

I) Mark True (T) or false (F) in the table below for the following statements: (1 Mark each)

1	2	3	4	5	6	7	8	9	10

No.	Statement
1	Laminar flow hood provides a sterile area to work in.
2	Talc powder can not be sterilized by autoclave.
3	The main device for dry heat sterilization is hot air oven, while for moist heat sterilization it is the autoclave.
4	Food sterilized by radiation is safe to eat.
5	Milk can be sterilized by pasteurization, and incineration
6	Filtration is an example of mechanical sterilization technique that acts on DNA.
7	Heat is an example of chemical sterilization that leads to coagulation of proteins.
8	U.V. radiation has more potent (أكثر قوة) sterilizing power than Gama radiation.
9	In sterilization by autoclave, air should be removed from the discharge valve.
10	Betadine is an example of halogen that is used as disinfectant.

II) Choose then write the correct answer in the table below for the following statements: (1 Mark each)

1	2	3	4	5	6	7	8	9	10



No.	Statement
1-	The autoclave is used for sterilization by heating at .....° C for 15 min: a) 121                      b) 134                      c) 115                      d) 100
2-	Heating coil is usually broken in .....autoclaves: a) Manual                      b) Automatic                      c) Manual and automatic
3-	The hot air oven is used for sterilization by heating at .....° C for 120 min: a) 160                      b) 150                      c) 140                      d) 170
4-	Sterile pharmaceutical product means that it is free from: a) Pathogenic microorganisms    b) Non pathogenic microorganisms c) Pathogenic and non-Pathogenic microorganisms.
5-	.....is the length of time required to kill all bacteria in a liquid culture at a given temperature. a) Thermal death point    b) Decimal reduction time    c) Thermal death time
6-	Serum and body fluids are sterilized by: a) Tyndallization                      b) Autoclave                      c) Pasteurization    d) Hot air oven
7-	Laminar flow hood might contain the following methods of sterilization: a) Radiation as a physical method of sterilization. b) Chemical method of sterilization. c) Dry heat as a physical method of sterilization. d) All the above. e) Only A and C.
8-	UHT is used for sterilization of: a) Milk                      b) oils    c) Waste (نفايات)                      d) All the above
9-	Ultrasound vibration is an example of .....sterilization. a) Mechanical                      b) Physical                      c) Chemical
10-	Plastic syringe is sterilized by: a) Ethylene oxide    b) Hot air oven                      c) Autoclave                      d) Both A and B.

Good luck

Dr. Mohammed Asaad El-Mowafy