

Assignment for viva

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Assignment microbiology

Semester 2nd

Q1. Write the names and function of different equipments used in microbiology lab

Ans ; microbiology equipment. Include microscopes, slide, test tube, petridishes, growth mediums, both solid and liquid; inoculations loops, pipettes and tips' incubators' autoclaves and laminar flow hoods.

Q2. What are the different chemical and physical methods of sterilization and disinfection?

Ans ; sterilization methods

physical methods

- . Most heat in autoclave.
 - . Dry heat in ovens
 - . Gamma irradiation
 - . Filtration
 - . Plasma sterilization
- chemical methods:
- . Ethylene oxide
 - . Glutaraldehyde (high concentration)

Disinfection method;

physical methods

- . Boiling and pasteurisation
 - . UV radiation
- chemical agents:
- . Alcohols
 - . Aldehydes
 - . Halogens

- . Phenols
- . Surfactants
- . Heavy metals
- . Dyes
- . Oxidants

The End

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