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Section B

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Semester 2nd

Department MLT

Assignment microbiology

*Qno. 1 different equipment in
microbiology lab?*

- 1. **Water bath:** is a device that remains water at a constant temperature*
 - It is used in the microbiological laboratory for incubation.*
- 2. **Centrifuge:** centrifuge is an apparatus that rotates at high speed and separate substances of different densities.*

3. **Balance:** is used to measure an object mass to a very high degree of precision.
4. **Incubator:** is a device used for growth and maintenance of microbiological culture or cell culture.
5. **Autoclave:** is the nucleus of microbiology laboratory. It is not used for to steralized liquid substances such as prepared media and solution , but also steralized glass wear when required.
6. **Hot plate:** hot plate is used to heat chemical and reagent .the hot plate is made up of iron plate which gets heated by an electric heating element from below. The required

heating degree is obtained by a regulator.

Qno. 2

1. Sterilization method:

- **Physical method**
- *Moist heat in autoclave*
- *Dry heat in ovens*
- *Gamma irradiation*
- *Plasma sterilization*
- **Chemical method**
- *Ethylene oxide*
- *Glutaraldehyde (high concentration.*

2. Disinfection method

- **Physical method**
- *Boiling and poisteurisation*

- *UV radiation*
- ***Chemical method***
- *Alcohol*
- *Aldehyde*
- *Halogen*
- *Phenol*
- *Surfactant*
- *Heavy metal*
- *Dyes*
- *Oxidants*

The end