

**THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY**

[AHS 0321]

**MARCH 2021**

**Sub. Code: 5003**

**(AUGUST 2020 EXAM SESSION)**

**B.Sc. MEDICAL LABORATORY TECHNOLOGY**

**FIRST YEAR (From 2010-2011 onwards)**

**PAPER III – GENERAL METHODOLOGY**

***Q.P. Code : 725003***

**Time: Three hours**

**Answer ALL Questions**

**Maximum: 100 Marks**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. Describe the external structure of bacteria.
2. Give a detail account on laboratory accidents. Add a note on its prevention and first aid.
3. Give a an account on handling and segregation of the waste.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Nutritional requirements of bacteria.
2. Moist heat sterilization.
3. Any 2 bacterial media and its composition.
4. Composition of blood.
5. Concept of pathogenicity.
6. Biohazard and universal safety precautions.
7. Incubator.
8. Classify bacteria based on pH requirement.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Anticoagulants.
2. Importance of labelling of specimens.
3. Normal flora of human.
4. Asepsis.
5. Disinfection.
6. SD and CV.
7. Anaemia.
8. Acid fast stain.
9. Hot Air Oven.
10. Pathogen.

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