



First Practical Examination , 2nd Stage Students, 1st Semester

Maximum Marks: 100

Q1) Answer four (4) branches of the following: (28 Marks)

1. Why lab coats or disposable aprons should be worn in the microbiology Lab.?
2. Why those dyes used in simple stain technique work well on bacteria?
3. Why, after the smear has become completely dry, pass the slide over a Bunsen burner flame?
4. Why in the procedure of methods of sampling microorganism & culture in solid and liquid media should be keep one plate as a control?
5. Why plates with “solid” culture media are incubated in the inverted position?

Q2) Answer the following branches:

- A. What is Agar? (10 Marks)
- B. What are the general factors of medium for growth of bacteria? (7 Marks)
- C. What are the common morphological categories of bacteria? (9 Marks)

Q3) Answer only one branch of the following: (A or B) (22 marks)

- A. Write the Procedure of the Methods of sampling microorganisms?
- B. Write the Procedure of the simple staining?

Q4) Answer the following branches: (24 Marks)

- A. When Hands should be washed?
- B. What is the purpose of using of the following instrument? (**Answer three of them**)

(1- Autoclave, 2- Bunsen burner, 3- Inoculating loop and needle, and 4- Incubator)

ALL THE BEST

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