

DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

FIRST YEAR

**PAPER II – FUNDAMENTALS OF MEDICAL LABORATORY
TECHNOLOGY AND MICROBIOLOGY**

Q.P. Code: 842602

Time : Three Hours

Maximum : 100 Marks

Answer ALL questions.

I. Elaborate on:

(3 x 10 = 30)

1. Write elaborate notes on Cultivation of bacteria.
2. Explain about hypersensitivity reaction.
3. Describe the diagnosis of fungal infection.

II. Write Notes on:

(10 x 5 = 50)

1. Short notes on Role and responsibility of lab technician.
2. Write the parts and uses of microscope.
3. Details about Method of sterilization process.
4. Short notes on cestodes and trematodes.
5. Explain Stool examination for parasitic infections.
6. Write notes on Bacterial growth curve.
7. Write notes on Nutritional requirements microorganisms.
8. Types of hepatitis virus.
9. Write short notes on Wet mount KOH technique.
10. Write about Gram staining method.

III. Short Answers on:

(10 x 2 = 20)

1. What are antibiotics?
2. Define pure culture.
3. What is germicide?
4. What is cultivation?
5. Define pasteurization.
6. Define Heterotroph.
7. What is Pour plate technique?
8. What is Bactericide?
9. Write the concept of dye and stain.
10. Define Immunity.