

DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY
(New Syllabus 2014-2015 & 2015-2016)

SECOND YEAR

PAPER I – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY

Q.P. Code: 841041

Time : Three Hours

Maximum : 100 Marks

Answer All questions.

I. Elaborate on:

(3 x 10 = 30)

1. Define Pharmacokinetics. Explain in detail about the bioavailability, and various processes involved physico-chemical interactions between a drug and an organism.
2. Define Neoplasm and Biology of Tumor Growth in Benign and Malignant Neoplasms.
3. Describe in detail about the various culture method. Explain in detail anaerobic culture method with neat diagram.

II. Write notes on:

(10 x 5 = 50)

1. Define Necrosis. Explain types of necrosis in detail.
2. Describe in briefly about the moist heat sterilization.
3. Growth and multiplication of bacteria.
4. General properties of viruses.
5. Elaborate in detail about the chemical mediators of inflammation.
6. Define Gangrene. Name the types of gangrene.
7. Route of administration of drugs.
8. Autoimmune disorders.
9. Describe various staining methods in bacteriology.
10. Arrangement of bacterial flagella.

III. Short answers on:

(10 x 2 = 20)

1. Name any two carcinogenic agents.
2. Gram negative bacteria.
3. Teratogenicity.
4. Enlist any two parasitic infections.
5. Ziehl-Neelsen staining.
6. Opportunistic infections.
7. Hypertrophy.
8. Define Antidote.
9. Name Any Two Antiseptic Agents.
10. Define Acquired immunity.