

**DIPLOMA IN ACCIDENT AND EMERGENCY CARE TECHNOLOGY
SECOND YEAR**

PAPER I – PATHOLOGY, MICROBIOLOGY AND PHARMACOLOGY

Q.P. Code : 841011

Time: Three Hours

Maximum: 100 Marks

Answer All Questions

I. Elaborate on:

(3 x 10 = 30)

1. Classify Penicillins. Write the mechanism of action, uses and adverse effects of Penicillin G.
2. Define sterilization. Enumerate the various methods of Sterilization. Discuss the methods of sterilization by moist heat.
3. Define Gangrene. Name the types of gangrene. Write in detail about gas gangrene.

II. Write notes on:

(10 x 5 = 50)

1. Clinical features and Lab diagnosis of Leptospirosis.
2. Role of Health care worker in interrupting transmission of infection.
3. Complications of Blood Transfusion.
4. Sedative-Hypnotics.
5. Erythroblastosis foetalis.
6. Management of Anaphylactic Shock.
7. Endogenous Pigments.
8. Free radicals and Antioxidants.
9. Explain teratogenicity with appropriate examples.
10. Describe the life cycle of *Wuchereriabancrofti*.

III. Short answers on:

(10 x 2 = 20)

1. Define calcification. Name the types of calcification.
2. What is Dysplasia?
3. Name three fungi causing systemic infections.
4. Define antidote. Give 2 examples.
5. Principle of treatment of Poisoning.
6. Drugs causing Hepatotoxicity.
7. Name the bacteria causing food poisoning.
8. Chemoprophylaxis.
9. Lewi's Triple Response.
10. What is the composition of Ringer Lactate?
