

[LD 0212]

AUGUST 2013

Sub. Code: 1011

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

PAPER I –PATHOLOGY, MICROBIOLOGY, PHARMACOLOGY

Q.P. Code : 841011

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I Elaborate on

3 x 10 = 30

1. Define pharmacokinetics. Explain in detail about the various route of administration.
2. Describe in detail about the various culture method .explain in detail anaerobic culture method with neat diagram.
3. Define innate immunity .Discuss briefly about the cell mediated immunity.

II Write notes on

10 x 5 = 50

1. Elaborate in detail about the chemical mediators of inflammation.
2. Explain the different types of culture media in detail.
3. Describe the clinical features of tumors
4. Name some of carcinogenic agent and explain their cellular interaction.
5. Enumerate the adverse drug reaction
6. Describe in briefly about the dry heat sterilization with diagram.
7. Discuss in detail about the pathogenesis and lab diagnosis of malarial parasites.
8. Explain in detail about the bacterial structure with neat diagram.
9. Define necrosis. Explain its types of necrosis in detail.
10. Describe in detail about the cellular adaptation and its types.

III Write short answers on

10 x 2 = 20

1. Define cell injury & cell death.
2. Define acute inflammation
3. Define acquired immunity
4. Define capsule.
5. Give two examples of Aldehyde used in disinfection.
6. Define Nosocomial infection.
7. Give two disadvantages of oral drug administration.
8. Define oral bioavailability.
9. Define benign tumors & malignant tumors.
10. Define immunoprophylaxis
