

DIPLOMA IN CLINICAL PATHOLOGY (DCP) EXAMINATION

GENERAL AND SYSTEMIC PATHOLOGY

Q.P. Code: 343008

Time: Three Hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 15 = 30)

1. A 32/M had severe cut injuries in his foot from broken glass pieces as he was walking barefoot in the beach. He developed pain and swelling of his foot with high fever. The fever continued to rise and he developed tachycardia, tachypnoea. He was brought to the hospital with partial clouding of consciousness. On examination, he had cold and clammy skin, low blood pressure.
 - a. What is the probable diagnosis?
 - b. Elaborate on the pathogenesis of the same
 - c. Elaborate the morphological changes in the various organs in this condition.
 - d. Describe the clinical course and complications associated with this condition.

2. Define nephrotic syndrome. Elaborate on the pathophysiology of nephrotic syndrome. Write briefly about the laboratory investigations in a case of nephrotic syndrome.

II. Write notes on:

(10 x 7 = 70)

1. Vitamin D
2. Hamartomatous polyps of the intestine
3. Infective endocarditis
4. Pheochromocytoma
5. Complement system in inflammation
6. Cytogenetic disorders involving the sex chromosomes
7. Aneurysms of aorta
8. Emphysema
9. Classification of leprosy. Elaborate on lepromatous leprosy
10. Opportunistic infections of lung in an immunocompromised patient