

D.M. – INFECTIOUS DISEASES

Paper III – GENERAL INFECTIOUS DISEASES INCLUDING HIV

Q.P. Code: 161493

Time: Three Hours

Maximum: 100 Marks

I. Elaborate on: **(2 x 15 = 30)**

1. List the common etiology and discuss the epidemiology of acute undifferentiated fevers in India. Describe the pathogenesis, clinical manifestations, diagnosis and management of severe Dengue.
2. Describe the etiology, clinical features, diagnosis and management of talaromycosis in people living with HIV infection.

II. Write notes on: **(10 x 7 = 70)**

1. U = U.
2. Pre-exposure prophylaxis (PrEP).
3. Management of invasive sino-orbito-cerebral mucormycosis.
4. Helicobacter pylori.
5. Non-cholera Vibrio infections.
6. Prosthetic valve endocarditis.
7. Septic shock.
8. Ibalizumab.
9. Genotypic resistance testing for HIV.
10. Waterhouse-Friderichsen syndrome.

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I. Elaborate on:

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1. Describe in detail the risk factors, etiological agents, diagnosis, and management of acute pyogenic meningitis in adults. Mention briefly strategies for prevention among individuals at risk.
2. A 37-year-old male, diagnosed with HIV recently, with a CD4 of 87 cells presents with a 3-week history of progressive headache and 2 episodes of focal seizures with secondary generalization.
Enumerate the focal cerebral syndromes in individuals with advanced HIV infection.

Discuss the clinical features, diagnostic modalities, and treatment of cerebral toxoplasmosis.

II. Write notes on:

(10 x 7 = 70)

1. Fungal endocarditis.
2. Undulant fever.
3. Diagnosis of histoplasmosis.
4. Newer drugs for MDR- tuberculosis.
5. Streptococcal pharyngitis.
6. Diagnosis of non gonococcal urethritis.
7. Long acting integrase inhibitors.
8. HIV post-exposure prophylaxis.
9. Poncets disease.
10. Vaccines in the elderly.
