

No. of Printed Pages : 3

MCMM-001/MCMM-101

POST GRADUATE DIPLOMA IN HIV MEDICINE (PGDHIVM)

Term-End Examination

December, 2025

MCMM-001/MCMM-101 : BASICS OF HIV INFECTION

Time : 3 Hours

Maximum Marks : 70

Note : (i) *Attempt all questions.*

(ii) *Write answers to question nos. 1 and 2 within 1500 words each and question nos. 3, 4 and 5 within 1000 words each.*

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1. A young man 30 years old presented 4 weeks after unprotected sex with a HIV positive

[2] MCMM-001/MCMM-101

CSW with flu—like symptoms, myalia, arthralgia and anorexia. Examination revealed cervical lymphadenopathy : $4 \times 5 = 20$

- (i) What are the clinical stages of HIV infection ?
- (ii) What is the clinical stage of this patient ?
- (iii) What investigations will you do to diagnose HIV in this patient ?
- (iv) How will you manage and follow up this patient ?

2. Write short notes on the following : $2 \times 10 = 20$

- (i) What are the biological and public health consequences of HIV genetic variation ?
- (ii) National testing algorithm for diagnosis of HIV in children less than 18 months of age.

[3]

3. Write short notes on the following : $2 \times 5 = 10$
- (i) Explain the steps in life cycle and replication of HIV. What are the sites at which anti-viral drugs act ?
 - (ii) Clinical assessment of people receiving antiretroviral therapy.
4. What is the importance of CD₄ cell monitoring in HIV ? Describe the methods for enumerating CD₄ cells. 5+5
5. What are the ophthalmic manifestations of HIV ? How is CMV refinitis diagnosed and treated ? 10

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