

No. of Printed Pages : 3

MCMM-001/MCMM-101

POST GRADUATE DIPLOMA IN

HIV MEDICINE

(PGDHIVM)

Term-End Examination

June, 2026

MCMM-001/MCMM-101 : BASICS OF

HIV INFECTION

Time : 3 Hours

Maximum Marks : 70

Note : (i) *Attempt all the questions.*

(ii) *Write answers to question no. 1 and 2 within 1500 words and questions nos. 3, 4 and 5 within 1000 words each.*

1. A 35 year old married woman presents with marked weight loss, fever and cough for two months. Investigations reveal that she has pulmonary tuberculosis and is HIV positive :

4×5=20

- (i) What is the WHO clinical stage of HIV in this patient ?
 - (ii) Describe briefly the modes of HIV transmission.
 - (iii) Why do women have higher risk of acquiring HIV ?
 - (iv) How should Tuberculosis and HIV be treated in this case.
2. Write short notes on the following : 2×10=20
- (a) Describe the life cycle of HIV in the host cell. Enumerate the sites at which anti retroviral drugs act.
 - (b) Describe briefly CD4 cells depletion and dysfunction.

[3]

3. Write short notes on the following : 2×5=10

- (a) Tests used to diagnose HIV infection
- (b) Common dermatological manifestations in HIV

4. When do you suspect HIV in children ?

What are the differences between pediatric and adult HIV ? 10

5. What are the objectives and aims of HIV Sentinel Surveillance (HSS) ? List the groups in whom annual HSS is carried out in India. 10

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