



IGNOU

Post Graduate Diploma in HIV Medicine (PGDHIVM)

ASSIGNMENTS 2022

PGDHIVM/AS 1-9

**HIV Medicine Cell
School of Health Sciences
Indira Gandhi National Open University
Maidan Garhi, New Delhi-110 068**

Dear Student,

As explained in the Programme Guide, there are nine assignments in total and **all** these assignments are compulsory. Please note that the assignments carry a weightage of 30% marks towards the final evaluation in theory component and **submission of related assignments is a prerequisite** for appearing in theory term-end examination for respective papers. It is always better if you can submit all assignments as early as possible during your contact session.

Last Date of Submission*	Course Code	Blocks Involved	Assignment Code
May 30, 2022*	MCMM-001/MCMM-101	1 and 2	MCMM-001/AS-1 or MCMM-101/AS-1
	MCMM-001/MCMM-101	3 and 4	MCMM-001/AS-2 or MCMM-101/AS-2
	MCMM-002/MCMM-102	1 and 2	MCMM-002/AS-3 or MCMM-102/AS-1
	MCMM-002/MCMM-102	3 and 4	MCMM-002/AS-4 or MCMM-102/AS-2
	MCMM-003/MCMM-103	1 and 2	MCMM-003/AS-5 or MCMM-103/AS-1
	MCMM-003/MCMM-103	3 and 4	MCMM-003/AS-6 or MCMM-103/AS-2
	MCMM-004/MCMM-104	1 and 2	MCMM-004/AS-7 or MCMM-104/AS-1
	MCMM-004/MCMM-104	3 and 4	MCMM-004/AS-8 or MCMM-104/AS-2
	MCMM-004/MCMM-104	5 and 6	MCMM-004/AS-9 or MCMM-104/AS-3

*Last date will be decided by the University and will be notified in the IGNOU website

Please take note of the following points before writing your assignments:

- Use only foolscap size paper for writing your responses. Only handwritten assignments will be accepted. Typed or printed copies of assignments will not be accepted.
- Tie the pages after numbering them carefully.
- Write the questions and question number with each answer.
- All the questions are compulsory.
- **Zero marks will be given if it is found that the answers were copied from other student**
- Every assignment will be evaluated out of a full mark of 100. Weightage is indicated in parenthesis against each question.

Suggestions for writing an assignment:

Read the assignments carefully. Go through the units on which the answers are based. Draw a rough outline of your answer. Make a logical order. Then write your answer neatly and submit. Give illustrations and tables wherever necessary. You may keep a photo copy of the answer sheets for future reference.

Answer each assignment in separate sheets. On the first page of the assignment response sheet, write the course code, course title, assignment code, name of your programme study centre and date of submission. Your Roll No., Name and Full address should be mentioned in the top right corner of the first page. The first page of your response sheet should look like the format given.

Course Code _____	Enrollment No. _____
Course Title _____	Name _____
Assignment Code _____	Address _____
PSC _____	_____
Date of Submission _____	_____

Please submit the assignments to your Programme-in-charge (PIC) only.

ASSIGNMENT - 1
(Block 1 & 2)

Course Code: MCMM-001/MCMM-101
Assignment Code: MCMM-001/AS-1 or MCMM-101/AS-1
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) Discuss the various modes of transmission of HIV in various groups of population and its role in prevention of the disease. (20)
- Q 2) Describe the various models used for HIV estimation in India. Also discuss the HIV estimation and modelling process (20)
- Q 3) Write short notes:
- a) Discuss the molecular epidemiology of HIV (10)
 - b) Role of genetics in Drug Resistance. (10)
 - c) HIV Latency in body (10)
 - d) HIV ELISA (10)
 - e) CD4+ T are Monitoring and Flow Cytometry (10)
 - f) HIV Sentinel Surveillance (10)

ASSIGNMENT – 2
(Block 3 & 4)

Course Code: MCMM-001/MCMM-101
Assignment Code: MCMM-001/AS-2 or MCMM-101/AS-2
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) A 24 yr old PLHIV presents with fever, weight loss (~ 20Kg) and painful deglutination. What WHO clinical stage of HIV infection is the patient in? Describe the differences between WHO clinical staging and CDC classification of HIV infection in adults. (20)
- Q 2) Describe in brief various strategies of HIV testing in India. (20)

Answer each of the following questions within 300 words

- Q 3) Write short notes:
- a) Immune Reconstitution in Inflammatory Syndrome (10)
 - b) Differences between adult, paediatric HIV (10)
 - c) Chemokines in HIV infection (10)
 - d) Viral Culture (10)
 - e) Describe the various methods for HIV– DR testing (10)
 - f) Types of viral load assays (10)

ASSIGNMENT – 3
(Block 1 & 2)

Course Code: MCMM-002/MCMM-102
Assignment Code: MCMM-002/AS-1 or MCMM-101/AS-1
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

Q 1) Write about blood safety and role of flood safety in HIV prevention. Discuss briefly biomedical prevention of HIV (10+10=20)

Q 2) Discuss the linkages of the National AIDS control programme with other National Programmes. Describe in detail the linkages with the RNTCP.

(20)

Answer each of the following questions within 300 words

Q 3) Write short notes: (6x10=60)

- a) Discuss the basics of social marketing of condom under the NACP.
- b) Importance of rights in relation to HIV/AIDS.
- c) State AIDS Control Societies.
- d) Factors influencing risk of Perinatal Transmission.
- e) Link ART Centres.
- f) Biomedical Waste Management.

ASSIGNMENT – 4
(Block 3 & 4)

Course Code: MCMM-002/MCMM-102
Assignment Code: MCMM-002/AS-2 or MCMM-002/AS-2
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) Write about services provided at Integrated Counseling and Testing Centres (ICTC). Describe briefly HIV Sentinal Surveillance (HSS). (10+10=20)
- Q 2) Describe targeted interventions under NACP. (20)

Answer each of the following questions within 300 words

- Q 3) Write short notes: (6x10=60)
- a) Factors which make bridge population vulnerable to HIV.
 - b) Drop in Centres (DIC)
 - c) Functions of Community Care Centres.
 - d) Objectives of Link Art Centres
 - e) Modes of transmission of HIV
 - f) Welfare schemes for PLHIV

ASSIGNMENT –5
(Book 1 & 2)

Course Code: MCMM-003/MCMM-103
Assignment Code: MCMM-003/AS-1 or MCMM-103/AS-1
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) A 30 year old male truck driver was admitted with history of fever and generalized headache for one month and altered sensorium for three days prior to admission. On examination the patient was drowsy, had neck rigidity, but there was no focal neuro deficit. He was found to be HIV +ve with a CD 4 count of 90 cells/mm³. CSF examination showed budding yeast like structures.
- i) What is the diagnosis?
 - ii) What tests will you do to confirm your diagnosis?
 - iii) How do you treat this condition?
 - iv) When will you start ART?
 - v) How will you treat his headache? (20)
- Q 2) Discuss the diagnostic approach to a case of chronic diarrhea in adult with AIDS. (20)

Answer each of the following questions within 300 words

- Q 3) Write short notes: (6x10=60)
- a) Fluid and electrolyte disturbances in patients with advanced HIV infection.
 - b) Diagnosis of of pneumocystis jiroveci pneumonia (PCP).
 - c) Management of HIV/HBV co-infection.
 - d) Clinical manifestations of cytomegalovirus infection.
 - e) Differential diagnosis of Focal Cerebral Lesions seen on MRI brain in AIDS.
 - f) Enumerate the Neurological disorders seen in early HIV disease (WHO stage I & II).

ASSIGNMENT –6
(Book 3 & 4)

Course Code: MCMM-003/ MCMM-103
Assignment Code: MCMM-003/AS-2 or MCMM-103/AS-2
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) Discuss the different methods available for diagnosis of MDR/xDR-TB. (10+10=20)
- Q 2) Describe the seven major RTI/STI syndromes and their management. (20)

Answer each of the following questions within 300 words

- Q 3) Write short notes: (6x10=60)
- a) Pruritic papular eruptions.
 - b) Describe the manifestations and management of Herpes simplex infection in HIV Patient TB prevention.
 - c) Role of INH prophylaxis in PLHIV.
 - d) Clinical features of extra pulmonary tuberculosis in adults with HIV infection.
 - e) Kaposi's Sarcoma.
 - f) Enumerate the various dermatological disorders highly indicative of HIV infection

ASSIGNMENT –7
(Book 1 & 2)

Course Code: MCMM-004/ MCMM-104
Assignment Code: MCMM-004/AS-1or MCMM-104/AS-1
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) Discuss the dose modifications of antiretroviral drugs in renal and liver disorders. (10+10=20)
- Q 2) Describe the common causes of chronic diarrhea in a HIV positive child. Enlist investigations and treatment of chronic diarrhea. (20)

Answer each of the following questions within 300 words

- Q 3) Write short notes: (6x10=60)
- a) Life cycle of HIV.
 - b) Mechanisms of Mutations in HIV
 - c) Metabolic Adverse effects of ART.
 - d) Goals of Antiretroviral Treatment (ART)
 - e) Discuss the concepts of “Substitution” in First Line ART. Describe the substitutions done in the National Programme
 - f) First line ART Regiment in Adults.

ASSIGNMENT –8
(Book 3 &4)

Course Code: MCMM-004/ MCMM-104
Assignment Code: MCMM-004/AS-2 or : MCMM-104/AS-2
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) Discuss the risk of acquiring HIV after various exposure routes. Outline the approach to the management of a health care worker with needle stick injury. (8+12=20)
- Q 2) Describe the national PPTCT programme guidelines. Discuss regarding the additional antenatal care for infected pregnant women. (20)

Answer each of the following questions within 300 words

- Q 3) Write short notes: (6x10=60)
- a) Contraception in a HIV infected couple
 - b) Early infant diagnosis
 - c) Continuum of Care
 - d) Monitoring reports under national programme
 - e) Describe the package of sexual and reproductive health for women living with HIV.
 - f) ART in HIV-2 Infection.

ASSIGNMENT –9
(Book 5 & 6)

Course Code: MCMM-004/ MCMM-104
Assignment Code: MCMM-004/AS-3 or MCMM-104/AS-3
Maximum Marks: 100

Answer all Question

Answer the following questions within 750 words

- Q 1) Discuss common opportunistic infection in children. (20)
- Q 2) Describe the clinical and immunological criteria used for determining ART eligibility in children under the national programme (20)

Answer each of the following questions within 300 words

- Q 3) Write short notes: (6x10=60)
- a) Discuss HIV counseling in adolescents infected with HIV.
 - b) Discuss feeding options for a HIV exposed infant < 6 months of age.
 - c) Immunization in A Child with HIV.
 - d) Monitoring a Child on ART.
 - e) First line ART for children.
 - f) Management of an HIV infected individual with Hepatitis B co-infection