



IGNOU

**Post Graduate Diploma in HIV
Medicine (PGDHIVM)**

ASSIGNMENTS 2021

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
October 30, 2021	MMMM-101	1 and 2	MCMM-101/AS-1
	MMMM-101	3and 4	MCMM-101/AS-2
	MMMM-102	1 and 2	MCMM-102/AS-3
	MMMM-102	3 and 4	MCMM-102/AS-4
	MMMM-103	1 and 2	MCMM-103/AS-5
	MMMM-103	3 and 4	MCMM-103/AS-6
	MMMM-104	1 and 2	MCMM-104/AS-7
	MMMM-104	3 and 4	MCMM-104/AS-8
	MMMM-104	5 and 6	MCMM-104/AS-9

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 xerox 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 – 101
Assignment Code: MCMM – 101/AS-1
Maximum Marks - 100

Answer All Questions

- 1. Answer the following questions within 750 words (2X20 – 40 marks)**
 - a. Describe in detail the sequence of events after an individual gets the HIV infection/ the HIV enters the body. Describe the factors that determine the progression of HIV infection.
 - b. Describe the various models used for HIV estimation in India. Also discuss the HIV estimation and modelling process

- 2. Answer each of the following questions within 300 words. (6X10=60 marks)**
 - a. Discuss the molecular epidemiology of HIV.
 - b. Enumerate various receptors and co-receptors involved in entry of HIV into the host cell.
 - c. Role of genetics in Drug Resistance.
 - d. HIV Sentinel Surveillance
 - e. Classify and list the types and sub types of HIV.
 - f. Enumerate the different factors influencing disease progression in HIV infection.

Assignment – 2 (Block 1 & 2)

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

Answer All Questions

- 1. Answer the following questions within 750 words. (2X20 = 40 marks)**
 - a. Describe the differences between pediatric and adult HIV infections. When will you suspect HIV infection in children?
 - b. 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.

- 2. Answer the following questions within 300 words (10X6 = 60 marks)**
 - a. Discuss the various strategies of HIV testing.
 - b. Describe CD4 T cells and viral load testing as used in the National Programme.
 - c. Describe the various methods for HIV– DR testing.
 - d. Describe the common clinical manifestations of HIV infections in an adult.
 - e. Viral Culture .
 - f. Importance of CDU + T cells monitoring in HIV

Assignment – 3 (Block 1 & 2)

Course Code: MCMM – 102
Assignment Code: MCMM – 102/AS-3
Maximum Marks - 100

Answer All Questions

1. Answer the following question within 750 words. (2X20 = 40 marks)

- a. Discuss the linkages of the National AIDS control programme with other National Programmes. Describe in detail the linkages with the RNTCP.
- b. Discuss the targeted interventions for high risk groups under the national programme.

2. Answer each of the following question within 300 words. (10X6=60 marks)

- a. Describe the concept and roles of Link Art Centres (LAC).
- b. Discuss the basics of social marketing of condom under the NACP.
- c. Outline the strategic information management system (SIMS). Discuss its role in the NACP.
- d. Role of ASHA in HIV Care
- e. Discuss the strategies for prevention of HIV infection in the general population.
- f. Linkage of NACP with other National Health Programme

Assignment – 4 (Block 1 & 2)

Course Code: MCMM – 102
Assignment Code: MCMM – 102/AS-4
Maximum Marks - 100

Answer All Questions

1. Answer the following question within 750 words. (2X20 = 40 marks)

- a. Define Blood Safety. Discuss the components of Blood Safety under the NACP – IV.
- b. Write about services provided at Integrated Counseling and Testing Centres (ICTC).
Describe briefly HIV Sentinal Surveillance (HSS).

2. Answer each of the following question within 300 words. (10X6=60 marks)

- a. Discuss positive prevention.
- b. HIV and Human Rights
- c. Factors which make bridge population vulnerable to HIV
- d. Describe the components of universal precautions.
- e. Discuss the concept, effectiveness and challenges of male circumcision as a prevention mechanism.
- f. Greater involvement of PLHIV

Assignment – 5 (Block 1 & 2)

Course Code: MCMM – 103
Assignment Code: MCMM – 103/AS-5
Maximum Marks - 100

Answer All Questions

1. Answer the following question within 750 words. (2X20 = 40 marks)

- a. What are the causes of chronic meningitis? How will you diagnose and treat a case of tubercular meningitis?
- b. Enumerate the hematological manifestation seen in patients living with HIV/AIDS and describe the management of any 3 common hematological manifestations.

2. Answer each of the following question in 300 words. (10X6=60 marks)

- a. Adrenal gland involvement in HIV.
- b. Management of HIV/HBV co-infection.
- c. AIDS defining cancers
- d. HIV associated Dementia complex
- e. Management of odynophagia and dysphagia in PLHIV.
- f. Clinical manifestations and treatment of Pneumocystis jiroveci pneumonia (PCP)

Assignment – 6 (Block 1 & 2)

Course Code: MCMM – 103
Assignment Code : MCMM – 103/AS-6
Maximum Marks - 100

Answer All Questions

1. Answer the following question within 750 words. (2X20 = 40 marks)

- a. Describe briefly the management of tuberculosis in HIV infected individuals.
- b. Enumerate the various dermatological disorders highly indicative of HIV infection & discuss the diagnosis & management of any one of them.

2. Answer each of the following question within 300 words. (6X10=60 marks)

- a. Syndromic management of STI /RTI
- b. Kaposi's Sarcoma
- c. Goals of Antiretroviral Therapy in HIV
- d. Role of INH prophylaxis in PLHIV
- e. Etiology, diagnosis and management of Penicillosis
- f. Clinical features of Tuberculosis in children

Assignment – 7 (Block 1 & 2)

Course Code: MCMM – 104
Assignment Code: MCMM – 104/AS-7
Maximum Marks - 100

Answer All Questions

1. Answer the following question within 750 words. (2X20 = 40 marks)

- a. What are Nucleoside Reverse Transcriptase Inhibitors (NRTI's)? Discuss the mechanism of action, dosage and adverse effects of NRTIs used in the National Programme regimens.
- b. Define immune reconstitution inflammatory syndrome (IRIS). Classify IRIS and Enumerate its causes. Discuss the risk factors for IRIS.

2. Answer each of the following question within 300 words. (6X10=60 marks)

- a. Describe the adverse effects of Protease Inhibitors (PIs).
- b. Describe the ART- preparedness counseling.
- c. Metabolic Adverse effects of ART.
- d. First line Art Regiment in Adults.
- e. Mechanisms of Mutations in HIV
- f. Discuss the concepts of “Substitution” in First Line ART. Describe the substitutions done in the National Programme

Assignment – 8 (Block 1 & 2)

Course Code: MCMM – 104
Assignment Code: MCMM – 104/AS-8
Maximum Marks - 100

Answer All Questions

1. Answer the following question within 750 words. (2 X 20 marks = 40 marks)

- a. Describe the national PPTCT programme guidelines. Discuss regarding the additional antenatal care for infected pregnant women.
- b. Describe the counseling techniques which are commonly used in a HIV infected patient. Enumerate the various types of counseling.

2. Answer each of the following questions within 300 words (6 X 10 marks = 60 marks)

- a. ART is HIV – 2 infection
- b. Describe the national ART initiation guidelines for PLHIV with Hepatitis B and C co-infections
- c. Role of Nutrition in HIV infection
- d. Contraception in a HIV infected couple
- e. Monitoring reports under national programme
- f. Treatment Failure

Assignment – 9 (Block 1 & 2)

Course Code: MCMM – 104
Assignment Code: MCMM – 104/AS-9
Maximum Marks - 100

Answer All Questions

- 1. Answer the following question within 750 words. (2 X 20 marks = 40 marks)**
- a. Discuss common opportunistic infection in children.
 - b. Describe the clinical and immunological criteria used for determining ART eligibility in children under the national programme.
- 2. Answer each of the following questions within 300 words**
- a. Describe the testing algorithm for HIV – 1 exposed infants and children < 18 months.
 - b. Discuss feeding options for a HIV exposed infant < 6 months of age.
 - c. Dose modification of art in renal impairment
 - d. First line art for children
 - e. Immunization in A Child with HIV
 - f. Discuss the concept, mechanisms and challenges of Nutritional Supplementation in the national programme