



**IGNOU**

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

## **ASSIGNMENTS 2018**

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
<b>April 30, 2018</b>	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

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-001/MCMM-101**

**Assignment Code: MCMM-001/AS-1 or MCMM-101/AS-1**

**Maximum Marks - 100**

### **Answer All Questions**

**Answer the following questions within 750 words**

- 1) Write about hematologic and oncologic manifestations of HIV. (10+10=20)  
Discuss briefly approach to a patient with anemia and HIV infection.
  
- 2) Describe the general manifestations of Pediatric HIV infection. (20)

**Answer each of the following questions within 300 words**

- 3) Write short notes on : 6 X 10 = 60
  - i) HIV drug resistance testing
  - ii) Viral load assays.
  - iii) CD4+ T are Monitoring and Flow Cytometry
  - iv) HIV testing strategies
  - v) HIV ELISA
  - vi) HIV cncephalopathy .

## **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 Questions**

**Answer the following questions within 750 words**

- 1) Discuss the various HIV estimation and projection models used in India. (20)
- 2) Discuss the life cycle and replication of HIV. Also briefly describe the sites in HIV life cycle at which the antiviral drugs act. (15+5)

**Answer each of the following questions within 300 words**

- 3) Write short notes on: (6 X 10= 60)
  - i) HIV Sentinel Surveillance System.
  - ii) Acute HIV infection.
  - iii) Chemokines in HIV infection.
  - iv) Widow period.
  - v) Immune Reconstitution in Inflammatory Syndrome.
  - vi) Causes of malnutrition in HIV infection.

## **ASSIGNMENT – 1 (Block 1 & 2)**

**Course Code: MCMM-002/MCMM-102**

**Assignment Code: MCMM-002/AS-1 or MCMM 102/AS-1**

**Maximum Marks - 100**

### **Answer All Questions**

#### **Answer the following questions within 750 words**

- 1) Outline and discuss the prevention strategies for HIV/AIDS in the general population under national programme. (20)
- 2) Discuss the targeted interventions for high risk groups under the national programme. (20)

#### **Answer each of the following questions within 300 words**

- 3) Write short notes on: (10 X 6 = 60)
  - a) Bridge population
  - b) Condom programming
  - c) Link ART Centres
  - d) Role of ASHA in HIV Care
  - e) State AIDS Control Societies
  - f) Linkage of NACP with other National Health Programme.

## **ASSIGNMENT – 2 (Block 3 & 4)**

**Course Code: MCMM-002/MCMM-102**

**Assignment Code: MCMM-002/AS-2 or MCMM-102/AS-2**

**Maximum Marks - 100**

### **Answer All Questions**

**Answer the following questions within 750 words**

1. Discuss the strategies for blood safety in the National AIDS Control Programme. (20)
2. Discuss the strategy of pre exposure prophylaxis as a biomedical prevention. (20)

**Answer each of the following questions within 300 words**

3. Write short notes on: 10 X 6 = 60
  - a. Welfare schemes for PLHIV
  - b. Greater involvement of PLHIV
  - c. Discrimination in HIV
  - d. Confidentiality
  - e. HIV and Human Rights
  - f. Male circumcision

## **ASSIGNMENT – 1 (Block 1 & 2)**

**Course Code: MCMM-003/MCMM-103**

**Assignment Code: MCMM-003/AS-1 or MCMM-103/AS-1**

**Maximum Marks - 100**

### **Answer All Questions**

#### **Answer the following questions within 750 words**

1. Discuss the diagnostic approach of a HIV positive patient presented with fever of  $>101^{\circ}\text{F}$  (oral temperature) of less than 15 days duration. (20)
2. Enumerate the hematological manifestation seen in patients living with HIV/AIDS and describe the management of any 3 common hematological manifestations. (20)

#### **Answer each of the following questions within 300 words**

3. Write short notes on:
  - a) Fluid and electrolyte disturbances in patients with advanced HIV infection. (10)
  - b) Enumerate common causes of abdominal pain in HIV patients. (10)
  - c) AIDS defining cancers (10)
  - d) HIV associated Dementia complex (10)
  - e) Diagnosis and management of cytomegalo virus infection. (10)
  - f) Clinical manifestations and treatment of *Pneumocystis jiroveci* pneumonia (PCP) (10)

## **ASSIGNMENT – 2 (Block 3 & 4)**

**Course Code: MCMM-003/MCMM-103**

**Assignment Code: MCMM-003/AS-2 or MCMM-103/AS-2**

**Maximum Marks - 100**

### **Answer All Questions**

**Answer the following questions within 750 words**

- 1) Describe briefly the management of tuberculosis in HIV infected individuals. (20)
- 2) Enumerate the dermatological disorders which are indications for HIV testing.  
Describe the management of Herpes Simplex infection. (20)

**Answer each of the following questions within 300 words**

- 3) Write short notes:
  - a) Syndromic management of STI /RTI (10)
  - b) Etiology, diagnosis and management of Penicillosis. (10)
  - c) Kaposi's Sarcoma (10)
  - d) Clinical features of extra pulmonary tuberculosis in adults with HIV infection. (10)
  - e) Tuberculous meningitis (10)
  - f) Describe the measures to reduce the burden of TB among HIV – infected patients. (10)



## **ASSIGNMENT – 1 (Block 1 & 2)**

**Course Code: MCMM-004/MCMM-104**

**Assignment Code: MCMM-004/AS-1 or MCMM-104/AS-1**

**Maximum Marks - 100**

### **Answer All Questions**

**Answer the following questions within 750 words**

- 1) Discuss the mode of action of Nucleoside Reverse Transcriptase Inhibitors (NRTI). Write their classification based on their chemical structure. Briefly describe their side effects. 8 + 6 + 6 = 20
- 2) Describe the common causes of chronic diarrhea in a HIV positive child. Enlist investigations and treatment of chronic diarrhea. 8 + 6 + 6 = 20

**Answer each of the following questions within 300 words**

- 3) Write short notes on 6 X 10 = 60
  - i) Second line ART in children
  - ii) Pre ART investigations in children.
  - iii) Pulmonary involvement in children with HIV.
  - iv) Metabolic Adverse effects of ART.
  - v) Fusion Inhibitors
  - vi) Mechanisms of Mutations in HIV.

## **ASSIGNMENT – 2 (Block 3 & 4)**

**Course Code: MCMM-004/MCMM-104**

**Assignment Code: MCMM-004/AS-2 or MCMM-104/AS-2**

**Maximum Marks - 100**

### **Answer All Questions**

#### **Answer the following questions within 750 words**

- 1) Describe the national PPTCT programme guidelines. Discuss regarding the additional antenatal care for infected pregnant women. (20)
- 2) Describe the counseling techniques which are commonly used in a HIV infected patient. Enumerate the various types of counseling. (20)

#### **Answer each of the following questions within 300 words**

- 3) Write short notes on:
  - a) Factors increasing transmission from parent to child. (10)
  - b) Early infant diagnosis (10)
  - c) Universal precautions (10)
  - d) Role of Nutrition in HIV infection. (10)
  - e) Informed consent (10)
  - f) Contraception in a HIV infected couple. (10)

## **ASSIGNMENT – 3 (Block 5 & 6)**

**Course Code: MCMM-004/MCMM-104**

**Assignment Code: MCMM-004/AS-3 or MCMM-104/AS-3**

**Maximum Marks - 100**

### **Answer All Questions**

#### **Answer the following questions within 750 words**

- 1) Discuss the initial workup of a PLHIV presenting to the ART Centre for ART Initiation. (20)
- 2) Discuss the management of an HIV infected individual with Hepatitis B co-infection. (20)

#### **Answer each of the following questions within 300 words**

- 3) Write short notes on: (10 X 6 = 60)
  - a) ART Record – Green Booklet
  - b) Dose modification of art in renal impairment
  - c) Challenges faced by CLHIV in Accessing care
  - d) ART preparedness counseling
  - e) Etiology of IRIS.
  - f) Benefits of early ART initiation.