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**POST GRADUATE DIPLOMA IN HIV
MEDICINE**

Term-End Examination

December, 2014

MCOMM-004 : MANAGEMENT OF HIV/AIDS

Time : 3 Hours

Maximum Marks : 70

Note : Attempt all questions.

1. A 14 month old male child has been diagnosed to be suffering from tubercular meningitis. His parents are HIV +ve. Currently the child is not getting any medication. He has no past history of any major illness. His Hb is 10.1 g/dL. **5+2+3+2+8**
 - (a) How would you proceed to confirm the diagnosis of HIV infection in this child ?
 - (b) To which clinical stage (WHO) does this child belong ?
 - (c) With what drugs will you immediately start treatment ?
 - (d) When will you start ART ?
 - (e) What should be the child's ART regimen ?

2. What do you mean by reverse transcription ? What are the different reverse transcriptase inhibitors used in the treatment of HIV infection ? Which of these drugs do not require dose modification in renal failure ? **3+5+2**

3. Discuss the role of CYP3A4 in the metabolism of different antiretroviral drugs. What are the common inducers and inhibitors of CYP3A4 ? How can their presence give rise to different drug interactions with the antiretrovirals ? **4+3+3**
4. Write short notes on : **5x6**
- (a) Nevirapine toxicity
 - (b) Genotypic Resistance Testing
 - (c) Mode of delivery in HIV+ve pregnant woman
 - (d) Benefits of early ART initiation
 - (e) ART in HIV/HCV co infection
 - (f) Link ART Centre (LAC)
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