No. of Printed Pages : 2　　　　　　　　　　　　**MAH-003**

POST GRADUATE CERTIFICATE IN MEDICAL INFORMATICS (PGCMI)

Term-End Examination

December, 2015

MAH-003 : INFORMATION SYSTEMS – I

Time : 3 hours　　　　　　　　　*Maximum Marks : 100*

Note : *Attempt any **five** questions. All questions carry equal marks. Each question carries 20 marks.*

1. (a) Define computer based patient record and explain how does it differ from a traditional patient record. *10*

   (b) Discuss in detail the terminology used for coding as per ICD. *10*

2. (a) Define Nomenclature. Explain how does it differ from a thesaurus. *10*

   (b) Discuss in detail the differences between classification and nomenclature. *10*

3. (a) Define Coding. Enumerate the different types of codes. *10*

   (b) Discuss in detail Juxtaposition codes. *10*

4. (a) Define Taxonomy. Discuss in detail its underlying principle and grouping system. *2+8=10*

(b) Define Nasology and explain how does it differ from nasography. *2+8=10*

5. (a) What is computer based patient record in primary care and how does it differ from speciality care ? *5+5=10*

(b) Discuss in detail multimedia patient record. *10*

6. (a) Enlist the strategies for data entry. *10*

(b) Critically discuss dynamic structured data entry. *10*

7. Enumerate the different types of signals and discuss any one of them in detail. *10+10=20*

8. Define Image enhancement. Critically discuss image segmentation. *10+10=20*