

**POST GRADUATE CERTIFICATE IN MEDICAL  
INFORMATICS (PGCMI)**

**Term-End Examination**

00344

December, 2014

**MAH-003 : INFORMATION SYSTEMS – I**

*Time : 3 hours*

*Maximum Marks : 100*

---

**Note :** Attempt any *five* questions. All questions carry equal marks.

---

---

1. (a) Define classification. 5
- (b) Discuss in detail the difference between nomenclature and classification. 15
2. (a) Define Patient Record. 5
- (b) List the advantages and disadvantages of paper based and computer based Medical Records. 15
3. (a) Enumerate the different types of signals. 10
- (b) Critically discuss the stages and characteristics of signals. 10

4. (a) Explain Medical Imaging. 10
  - (b) Discuss in detail the various means to generate images. 10
  5. Give an overview of the use of computers in Medical Imaging. 20
  6. (a) What is primary care information system ? 10
  - (b) Discuss in detail the modules of primary care information system. 10
  7. Discuss in detail the tasks performed by Laboratory information system and Radiology information system with suitable examples. 10+10
  8. Discuss in detail, why in this modern era, the knowledge of technology is important for Executives, Managers, Administrators and Physicians in Health Care. 20
-