

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

Term-End Examination

00384

December, 2014

MAH-004 : INFORMATION SYSTEMS – II

Time : 3 hours

Maximum Marks : 100

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

1. Discuss diagnostic and therapeutic cycle in detail. 20
2. Discuss in detail the systematization of computer application in medical informatics in each of these six levels. 20
3. Discuss the role of communication technology in healthcare system. 20
4. Define information. Enumerate the different aspects of information and give Shannon's Formula. 3+5+12=20
5. (a) What do you understand by entropy ? 5
(b) Discuss in detail its implication in healthcare. 15

6. Critically discuss the components of information processing systems. 20
 7. Discuss in detail the peripherals, tools and building blocks of information system. 20
 8. Discuss in detail the various software and hardware communication configurations. 20
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