

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

Term-End Examination

December, 2014

00204

MAH-002 : DATA MANAGEMENT

Time : 3 hours

Maximum Marks : 100

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

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| 1. | (a) | Define statistics. | 5 |
| | (b) | Enumerate the different statistical methods. | 10 |
| | (c) | Describe in detail experimental studies. | 5 |
| 2. | (a) | What do you understand by Mean ? | 5 |
| | (b) | Enumerate various examples of Means. | 10 |
| | (c) | Discuss in detail the Arithmetic Mean. | 5 |
| 3. | (a) | What do you understand by Standard Deviation (SD) ? | 10 |
| | (b) | Discuss in detail with suitable examples. | 10 |
| 4. | (a) | Enumerate the various sampling methods. | 10 |
| | (b) | Discuss in detail stratified sampling method. | 10 |

5. (a) What do you understand by number systems? 10
- (b) Discuss in detail the Binary Number system and its transformation. 10
6. (a) Explain the term 'Knowledge Acquisition'. 10
- (b) Design structuring [KADS] and critically discuss KADS. 10
7. (a) Enumerate the general goals of evaluation. 10
- (b) Discuss in detail the phases of evaluation of Information Technology in Health Care. 10
8. Discuss in detail the various components and threats of Data Security. 10+10=20
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