

Roll No. to be filled in your Answer Book

Roll No.

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**BCA (Computer science) Fifth Semester  
Examination 2015  
MANAGEMENT INFORMATION SYSTEM**

Time: 3.00 Hrs]

[Max. Marks: 70

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

1. a. What is Expert system? Differentiate it with Knowledge based system.  
b. Define the various levels of Management Information System.
2. a. Describe the various types of computer crimes happening in the present days modern world.  
b. Explain how information system can be used in the field of marketing, accounting and finance.
3. a. What is Push marketing? Differentiate it with the Pull marketing.  
b. Define the term Information resource management. Explain it while distinguishing between the planning and implementation.

- (c) Discuss about X.509 authentication service in detail.
- (d) Write about virus and related threats in detail.
- (e) Discuss in detail secure electronic transaction.

Q3. Attempt any two from the following questions.  
(2X6=12 Marks)

- (a) What is meant by message digest? Give an example.
- (b) Write a detailed note on Digital signatures.
- (c) Write about PGP in detail.

Q4. Attempt any two from the following questions.  
(2X6=12 Marks)

- (a) Explain the different methods of public key distribution systems with suitable diagrams.
- (b) Describe Encapsulating Security Payload (ESP) format.
- (c) How does a client C communicate with a server S using Kerberos protocol? Explain.

Q5. Write short note on any two from the following :-  
(2X5=10 Marks)

- (a) Hash functions.
- (b) MD5 v/s SHA - 1
- (c) S/MIME.

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(2)

6. (a) What is data warehousing and data mining ? List the features of data warehousing and data mining.
- (b) What is DBMS ? Explain the architecture of DBMS.
7. (a) The Manager has a leadership role to play. How can MIS support this role ?
- (b) What is the concept of ERP ? Why is ERP solution now possible ? What role does technology play in ERP implementation.
8. Explain any *two* of the following in detail :
  - (a) DSS
  - (b) E-R diagram
  - (c) Expert system
  - (d) DFD