Roll No...................

Time allowed : 3 hours   *Maximum marks : 100*

Total number of questions : 6   *Total number of printed pages : 3*

NOTE : *Answer* **ALL** *Questions.*

1. (a) Comment on the punishment for publishing or transmitting of material containing sexually explicit act, *etc.*, in electronic form as stated in section 67A of the Information Technology Act, 2000.

   (b) How is decision support system (DSS) different from management information system (MIS) ?

   (c) What is CPU ? Discuss any three important functions performed by CPU.

   (d) Briefly describe any four elements of databases.

   (e) How does a browser act as an interface between the user and world wide web (www) ? Also mention important features of the browser.

<div align="right">*(4 marks each)*</div>

<div align="center">***Attempt all parts of either Q.No. 2 or Q.No. 2A***</div>

2. (a) What are the key dimensions to e-commerce security ?

   (b) What do you mean by the goal of information generation ? State the basic processes involved in information generation ?

   (c) Define 'off-the-shelf' software packages. Describe briefly any six application softwares.

   (d) What are the advantages of optical discs ? How many bytes of data are available in 8 GB of computer storage ?

<div align="right">*(4 marks each)*</div>

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: 2 :

OR (Alternate question to Q.No. 2)

2A. Distinguish between the following :

  (i) 'Primary information' and 'secondary information'.

 (ii) 'Random access memory' and 'cache memory'.

(iii) 'Structured decisions' and 'unstructured decisions'.

(iv) 'Machine language' and 'high level language'.

(4 marks each)

Attempt all parts of either Q.No. 3 or Q.No. 3A

3. (a) What are the information needs of top management ? Which information system is suitable for top management and why ?

   (b) What are the types of files used by SQL server databases ?

   (c) What are the characteristics of a good executive information system (EIS) ?

   (d) Discuss the features of sales and personnel modules of ERP.

(4 marks each)

OR (Alternate question to Q.No. 3)

3A. Write notes on the following :

  (i) Benefits of e-governance

 (ii) Scope of information systems audit

(iii) Characteristics of B2B e-commerce

(iv) Characteristics of data warehouse.

(4 marks each)

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4. (a) What is an 'expert system' ? Briefly explain its components.

   (b) What is customer relationship management (CRM) ? How can CRM be maintained in e-commerce ?

   (c) Why is data organised in star schema in a data warehouse ?

   (d) Explain the components of a uniform resource locator (URL).

   (4 marks each)

5. (a) What are the various threats in e-commerce ? How can these threats be counter measured ?

   (8 marks)

   (b) What are the components and characteristics of management information system (MIS) ?

   (8 marks)

6. (a) What is the objective of establishing Cyber Appellate Tribunal under the Information Technology Act, 2000 ?

   (b) What are the advantages of using flowchart while solving a problem ?

   (c) List out the steps involved in the implementation of ERP in an organisation.

   (d) What are the challenges of e-governance before stakeholders ?

   (4 marks each)

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