0305E345   Candidate's Seat No :_____

M.Sc. (Sem.-II) Examination
407
Computer Science

Time : 3 Hours]   May-2017   [Max. Marks : 70

Q-1

A.   What is Data Warehousing? Explain the need of Data Warehousing?   (8)

OR

A.   What is Cluster Analysis? And Explain Types of Data in Cluster Analysis.   (8)

B.   Write on Data Generalization.   (4)

OR

B.   Explain KDD process with graphical presentation.   (4)

C.   **Do As Directed :-**   (2)
  1. Data cleaning
  2. Pattern evaluation

Q-2

A   Discuss Data Warehousing Architecture.   (7)

OR

A.   A Data Warehouse is Subject-oriented, Integrated, Time-variant and   (7)
Nonvolatile collection of data." – Justify.

B.   Discuss On Metadata in the data warehouse.   (5)

OR

B.   "We are Data Rich, but Information Poor", Justify.   (5)

C.   Give the full form of the following .   (2)
  1   OLTP

  2   OLAP   (P.T.o)

Q-3

    A. List Out Categorization of Major clustering Methods and Discuss any One   **(8)**
         With Example.

    B. Discuss Data Warehouses and Data Marts.   **(4)**

OR

    B. Explain Mining Multilevel Association Rules.   **(4)**

    C. **Do As Directed :-:-**   **(2)**

         1. Applications of classification(Any Two)

Q-4

    A. Explain Finding frequent item By Apriori Algorithm.   **(6)**

OR

    A. List Out clustering methods And Discuss on Hierarchical Clustering   **(6)**

    B. Discuss on Tree pruning In Detail.   **(6)**

OR

    B. Write Short Note On Data Comparison And Discrimination.   **(6)**

    C. **Do As Directed :-**   **(2)**
         1. Applications of DMDW(Any Two)

Q-5

    A. Discuss Mining Time-Series and Sequence Data.   **(6)**

OR

    A. Write Short Note On Mining the World Wide Web   **(6)**

    B. Explain Mining the Multimedia Databases.   **(6)**

OR

    B. Explain Classification by Association Rule Analysis.   **(6)**

    C. Do As Directed   **(2)**
        1 Data Transformation
        2. Data selection

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0805E443   Candidate's Seat No :_____

M.Sc. (Sem.-II) Examination
409
Computer Science
May-2017

Time : 3 Hours]   [Max. Marks : 70

Q-1

A. Draw Conventional Encryption Model And Explain in Detail.   (8)

OR

A. Discuss on Secure Electronic Transaction.   (8)

B. Explain Hill Cipher With Example.   (4)

OR

B. List Out Firewall Design Principles.   (4)

C. Discuss on Steganography.   (2)

Q-2

A   Write Short Note on Digital Signatures.   (7)

OR

A. Why Web Security Required? Discuss On SSL And Transport Layer   (7)
Security.

B. Which Security Issues is Required in E-Commerce And M-Commerce.   (5)

OR

B. Write Confidentiality polices.   (5)

C. Define HASH Function.   (2)

(P.T.O)

Q-3

   A. Explain DES Algorithm With Diagram.   **(8)**

   B. Define S/mine And It's types.   **(4)**

                   OR

   B. Short Out Web Threats And Attacks.   **(4)**

   C. Give the full form of the following :-   **(2)**

        1. MD5
        2. SHA

Q-4

   A. Draw IP Security Architecture And Explain Authentication Header.   **(6)**

                   OR

   A. Discuss PGP In Detail.   **(6)**

   B. List Out VPN Limitation And Implementation.   **(6)**

                   OR

   B. Define Boundary Devices.   **(6)**

   C. What is protocol And Why Authentication Is Required In It.   **(2)**

Q-5

   A. Write a Short Note on Malicious Logic   **(6)**

                   OR

   A. Explain Play Fair Cipher With Example.   **(6)**

   B. Discuss On Information Security.   **(6)**

                   OR

   B. Give Detail Description on Trusted System.   **(6)**

   C. Give the full form of the following :-   **(2)**
        1. DES
        2. SSL

1205E501   Candidate's Seat No :____

M.Sc. (Sem.-II) Examination
COM : Computer Science

Time : 3 Hours]   **May-2017**   [Max. Marks : 70

Q-1

A. Draw Scalable Parallel Computer Architecture And Explain in Detail.   (8)

OR

A. Which Resource Required in Cluster Computing. Why Resource   (8)
management & Scheduling (RMS) Needed.

B. How Managing data on clouds Explain.   (4)

OR

B. Write on Cluster Classification.   (4)

C. **Do As Directed :-**   (2)
   1. What is a Parallel Computing?
   2. What is a Cluster?

Q-2

A Evolution of the Grid: first, second and third generation Discuss in   (7)
Detail.

OR

A. Explain Cluster Computer And its Architecture.   (7)

B. Write on Cross site trust management.   (5)

OR

B. Discuss on Transition to a prototype production grid.   (5)

C. **Do As Directed :**   (2)
   1 SMPS Of Cluster.

(P.T.O)

Q-3

    A. Explain Resource sharing enhanced locality in Constructing Scalable   **(8)**
        Services

    B. Which Security Parameter required in Cluster Administration.   **(4)**

OR

    B. What System Tuning? Explain in Depth.   **(4)**

    C. **Do As Directed :-**   **(2)**

        1. Applications of Cluster (Any Two)

Q-4

    A. Draw Grid architecture And Give Description and Practice.   **(6)**

OR

    A. Discuss on Intergrid protocols.   **(6)**

    B. Write on Virtual organizations.   **(6)**

OR

    B. List out Cloud Models And Explain Any One in Detail.   **(6)**

    C. **Do As Directed :-**   **(2)**
        1. Applications of Grid (Any Two)

Q-5

    A. Explain Public And hybrid clouds.   **(6)**

OR

    A. What is Software as a Service in Cloud Elements.   **(6)**

    B. Which Technical interface required in cloud Computing.   **(6)**

OR

    B. Write on Administering cloud services.   **(6)**

    C. Do As Directed   **(2)**
        1 List Out Advantage Of Cloud Computing.(Any Two)