Code: 4G171

R-14

IV B.Tech. I Semester Supplementary Examinations May 2018
Data Warehousing and Mining
(Common to CSE & IT)

Max. Marks: 70   Time: 3 Hours

Answer *all five* units by choosing one question from each unit (5 x 14 = 70 Marks)

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UNIT–I

1.	a)	What is Data mining? Explain its functionalities	7M
	b)	Describe concept hierarchy generation for hierarchical data	7M

OR

2.	a)	Classify Data mining Systems	7M
	b)	Explain various Dimensionality Reduction Methods	7M

UNIT–II

3.	a)	What are differences between Data Warehouse and Data Mart?	5M
	b)	Explain apriori algorithm with example	9M

OR

4.	a)	Explain three-tier data warehousing architecture	10M
	b)	Explain frequent item sets and closed item sets	4M

UNIT–III

5.	a)	Compare classification and prediction	5M
	b)	Write about information gain, Gain ratio, Ginni index	9M

OR

6.	a)	Describe the working procedure of simple Bayesian Classifier	7M
	b)	Describe how the accuracy of Classifier is evaluated	7M

UNIT–IV

7.	a)	Explain K-mean clustering algorithm?	7M
	b)	Suppose the data for clustering is { 1, 3,5, 15, 23, 11, 25}. Consider k = 2, cluster the given data using k-means algorithm	7M

OR

8.	a)	Explain DB scan clustering algorithm	7M
	b)	Explain k-medoids partition algorithm	7M

UNIT–V

9.	a)	Describe the mining in world wide web	7M
	b)	What are basic measures for text retrieval	7M

OR

10.	a)	Describe text mining approaches	7M
	b)	Explain sequential pattern mining	7M

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IV B.Tech. I Semester Supplementary Examinations May 2018
Enterprise Programming
(Common to CSE & IT)

Max. Marks: 70   Time: 3 Hours
Answer *all five* units by choosing one question from each unit (5 x 14 = 70 Marks)
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UNIT–I

1. a) How are web servers and web browsers related? Discuss with Example?   7M
   b) Write about Apache web server installation procedure.   7M

OR

2. a) What is the difference between IIS and WAMP? Explain in detail.   7M
   b) Explain the installation procedure and configuration of PHP.   7M

UNIT–II

3. a) Explain,
      i.   Variables
      ii. Expressions
      iii. Statements
      iv. Write a PHP program that gives the number of occurrences.   7M

   b) How can you know whether the object is a descendant of a class or not? Explain.   7M

OR

4. What is a string concatenation operator? Explain with an example.   14M

UNIT–III

5. a) List and explain the parameters available when creating a cookie using setcookie( ) function with an example.   7M
   b) What is the advantage of super globals? Explain with example.   7M

OR

6. a) Explain briefly about the GET and POST methods with examples.   7M
   b) Differentiate superglobals versus globals.   7M

UNIT–IV

7. Explain the following functions with examples,
      (a) mysql_connect( )
      (b) mysql_close ( )
      (c) mysql_query( ).   14M

OR

8. a) Explain briefly the three components of MVC architecture.   7M
   b) Explain the function used to connect to a MySQL database.   7M

UNIT–V

9. a) Write a note on Client-Driven Communication in detail?   7M
   b) Explain briefly about the Server-Side Processing.   7M

OR

10. a) Write a note on Client-Driven Communication in detail?   7M
    b) Explain briefly about the GET and POST methods   7M

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IV B.Tech. I Semester Supplementary Examinations May 2018
Mobile Communications
(Common to CSE & IT)

Max. Marks: 70   Time: 3 Hours
Answer *all five* units by choosing one question from each unit (5 x 14 = 70 Marks)
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UNIT–I

1. a) Deliberate about novel applications and limitations of Mobile Computing? 7M
   b) Explain various GSM services with a neat sketch? 7M

OR

2. a) Explain about the handover mechanism in GSM? 7M
   b) Describe GSM protocols in detail? 7M

UNIT–II

3. a) Compare the mechanism of SDMA, FDMA, TDMA and CDMA with their functions? 7M
   b) Explain the goals, assumptions and requirements of Mobile IP? 7M

OR

4. a) What is Mobile IP? Explain agent discovery, registration and encapsulation? 7M
   b) Describe the client server configuration of DHCP. 7M

UNIT–III

5. a) Describe in detail about transmission/time-out freezing? 7M
   b) Distinguish the MANETs from cellular mobile networks. 7M

OR

6. a) Compare Traditional, Indirect, Snooping and Mobile TCP in all aspects? 7M
   b) Describe how to maintain the security in MANETs. 7M

UNIT–IV

7. Explain the functions of the components of the WAP architecture. 14M

OR

8. Draw and discuss the protocol architecture of IEEE802.11 14M

UNIT–V

9. a) Describe about caching invalidation mechanisms 7M
   b) Explain recovery and quality of service issues 7M

OR

10. a) Discuss in detail on Communications asymmetry in mobile computing 7M
    b) Illustrate selective tuning (indexing) techniques 7M

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