

Hall Ticket Number :

--	--	--	--	--	--	--	--	--	--	--

**R-14**

**Code: 4G171**

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 )

\*\*\*\*\*

**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

\*\*\*

--	--	--	--	--	--	--	--	--	--

Code: 4G172

IV B.Tech. I Semester Supplementary Examinations May 2018

**Enterprise Programming**

( Common to CSE &amp; IT )

Max. Marks: 70

Time: 3 Hours

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

\*\*\*\*\*

**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

\*\*\*

Hall Ticket Number :

--	--	--	--	--	--	--	--	--	--

**R-14**

**Code: 4G472**

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 )

\*\*\*\*\*

**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

\*\*\*

**Code: 4GA71**

IV B.Tech. I Semester Supplementary Examinations May 2018

**Management Science**

( Common to EEE & CSE )

Max. Marks: 70

Time: 3 Hours

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

\*\*\*\*\*

<b>UNIT-I</b>
---------------

1. a) Discuss the functions of management.
- b) Explain the elements of scientific management as outlined by F.W.Taylor

**OR**

2. a) Define organization. What are the principles of organization?
- b) Discuss the merits and demerits of line and staff form of organization.

<b>UNIT-II</b>
----------------

3. a) What are the objectives of inventory control?
- b) A company is requiring 10,000 units of raw material per annum. The cost per order is estimated to be Rs.50. The storage cost is estimated to be Rs.15 per unit inventory. Compute i) EOQ ii) No of Oder to placed per annum

**OR**

4. a) What are the different levels of channels of distribution?
- b) Explain its importance in marketing.

<b>UNIT-III</b>
-----------------

5. a) What is human resource management? What it significance?
- b) What are the off the job training methods?

**OR**

6. a) Explain the advantages and disadvantages of Job Evaluation
- b) Compare and contrast Job Evaluation Vs Merit rating.

<b>UNIT-IV</b>
----------------

7. a) Discuss the scope of financial management.
- b) Explain the importance of financial management

**OR**

8. a) Explain the following terms :  
i) Normal time ii) Normal cost iii) Crash time iv) Crash cost
- b) A project includes the following activities

Activity	Normal duration (days)	Normal Cost (Rs)	Crash time (Days)	Crash cost (Rs)
1-2	9	8000	7	10000
1-3	5	5000	3	8000
2-3	7	7000	5	8600
2-4	8	6000	6	7000
3-5	6	9000	4	11,400

The overhead costs are Rs.1300 per day. Determine the optimum cost and optimum duration of the project.

<b>UNIT-V</b>
---------------

9. a) Explain the Importance of the Enterprise Resource planning ( ERP)
- b) Why Ethics required for a manager, what is unethical in your opinion and list few examples of unethical practices of Managers.

**OR**

10. a) Explain the Importance of the TQM in organization.
- b) How does Just-In-Time help the manufacturing system to improve productivity?

\*\*\*

Hall Ticket Number :

--	--	--	--	--	--	--	--	--	--	--

**R-14**

**Code: 4G173**

IV B.Tech. I Semester Supplementary Examinations May 2018

**Software Architecture**

( Computer Science and Engineering )

Max. Marks: 70

Time: 3 Hours

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

\*\*\*\*\*

**UNIT-I**

1. a) Explain various process recommendations used by an architect while developing software architectures. 7M
- b) Explain hybertsson's three views for software architecture. 7M

**OR**

2. a) Briefly explain software architecture with definitions. 7M
- b) Discuss software structures in detail. 7M

**UNIT-II**

3. a) Explain the list of components of a pipe and write the problems based on black board problem. 7M
- b) Discuss the software paradigm for process control. 7M

**OR**

4. a) Explain in brief about pipes and filters style, with diagram. 7M
- b) Write about repositories in Architectural style. 7M

**UNIT-III**

5. Explain different Architectural structures for shared information system. 14M

**OR**

6. a) Distinguish database integration and interpretation in Shared information system. 7M
- b) Discuss the typical dataflow architecture for shared information. 7M

**UNIT-IV**

7. Explain the case study of industry standard computing for architectural pattern specifications. 14M

**OR**

8. a) Explain about patterns for interactive systems. 7M
- b) Describe the formal models of a architectural pattern. 7M

**UNIT-V**

9. Explain in detail about Architectural Description Languages. 14M

**OR**

10. a) Discuss how to capture Architectural information in an ADL. 7M
- b) How to choose an ADL? Explain with an example. 7M

\*\*\*