Hall Ticket No: | | | | | | | | | | | Question Paper Code: 14DMCA401

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

Direct 2nd Year MCA II Year I Semester (R14) Regular & Supplementary

End Semester Examinations –Nov 2016

(Regulations: R14)

CLOUD INFRASTRUCTURE SERVICES

Time: 3Hrs **Max Marks: 60**

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part-A or B only

Q.1(A)	Explain Basic terms, characteristics and Object storage of a cloud.	4+4+4 M
	OR	
Q.1(B)	What is the nature of the cloud? Explain key benefits of implementing Hypervisors.	12M
Q.2(A)	Define Cloud computing. Explain in detail about its Infrastructure.	12M
	OR	
Q.2(B)	How to secure data in the cloud? Explain its managing devices.	12M
Q.3(A)	Write briefly about deployment models.	12M
	OR	
Q.3(B)	Explain in detail about performance concepts.	12M
Q.4(A)	Explain RAID Level.	12M
	OR	
Q.4(B)	Discuss on differences among private, public and hybrid clouds in detail.	4+4+4 M
Q.5(A)	Explain in detail about Hadoop Infrastructure system.	12M
	OR	
Q.5(B)	Write note on cloud security and privacy.	12M

***** END*****

Hall Ticket No: | | | | | | | | | | | QP Code: 14DMCA110\14IMCA31T11

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

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Direct 2nd Year MCA II Year I Semester (R14) Regular & Supplementary

End Semester Examinations –Nov 2016

(Regulations: R14)

DATA WAREHOUSING & MINING

Time: 3Hrs **Max Marks: 60**

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part-A or B only

Q.1(A)	i. What is data mining? Describe five primitives for specifying a data mining task. ii. How is a data warehouse differ from a data base? How they are similar?	6+6M
	OR	
Q.1(B)	What is data discretization? Explain data discretization techniques.	2+10 M
Q.2(A)	What is data warehousing? Explain three tier architecture of data warehouse	2+10 M
	OR	
Q.2(B)	Write Apriori algorithm for discovering frequent item sets for mining Boolean association rules	12M
Q.3(A)	i. What are definitions of classification and prediction? ii. Describe various attribute selection measures in the classification iii. What is Beye's Theorem? Explain the working of Simple Beyesian classification	3M 4M 5M
	OR	
Q.3(B)	What is Rule based classifier? Explain it briefly.	12M
Q.4(A)	i. What is clustering? Explain the requirements of clustering in data mining ii. Given two objects represented by the tuples (22, 1, 42, 10) and (20, 0, 36, 8) : (a) Compute the Euclidean distance between the two objects. (b) Compute the Manhattan distance between the two objects. (c) Compute the Minkowski distance between the two objects, using p = 3.	6M 6M
	OR	
Q.4(B)	i. Explain the different clustering methods ii. Describe the working of PAM algorithm	6M 6M
Q.5(A)	Discuss the mining of text databases in detail.	12M
	OR	
Q.5(B)	What are the salient features of time series data mining? Explain.	12M

***** END*****

Hall Ticket No: | | | | | | | | | | | QP Code: 14IMCA31T13/14DMCA112

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

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Direct 2nd Year MCA II Year I Semester (R14) Regular & Supplementary

End Semester Examinations –Nov 2016

(Regulations: R14)

INFORMATION RETRIEVAL SYSTEMS

Time: 3Hrs **Max Marks: 60**

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part-A or B only

Q.1(A)	(i) Define Information Retrieval Systems? Write their objectives.	4M
	(ii) Explain the functional overview of Information Storage and Retrieval System.	8M
	OR	
Q.1(B)	(i) Define Data warehouses and Digital Libraries? How are they related to Information Retrieval Systems?	8M
	(ii) Explain various Search capabilities of Information Retrieval systems.	4M
Q.2(A)	(i) What is Cataloging and Indexing? What are the objectives of Indexing?	4M
	(ii) Describe the Porter's Stemming algorithm of IRS.	8M
	OR	
Q.2(B)	(i) What are Hypertext and XML data structures?	2M
	(ii) Elaborate the Data Structures available in IRS.	10M
Q.3(A)	(i) Define the Need for Indexing process.	2M
	(ii)Describe the Concept Indexing in detail.	10M
	OR	
Q.3(B)	What is Clustering? Explain Item Clustering and how Thesaurus will be generated.	12M
Q.4(A)	(i) What are user search techniques? What are different user search techniques and explain Relevance Feedback only.	8M
	(ii) What are the problems with weighed schemes?	4M
	OR	
Q.4(B)	(i) Define Search statements and Binding.	4M
	(ii) Discuss about the Information Visualization and its working nature.	8M
Q.5(A)	(i) What are various software text search algorithms available?	4M
	(ii)Explain software text search algorithm with example.	8M
	OR	
Q.5(B)	Illustrate the measurement of Information system evaluation with an example.	12M

***** END*****

Hall Ticket No: | | | | | | | | | | | QP Code: 14IMCA31T12/14DMCA111

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

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Direct 2nd Year MCA II Year I Semester (R14) Regular & Supplementary

End Semester Examinations –Nov 2016

(Regulations: R14)

MOBILE APPLICATION DEVELOPMENT USING ANDROID

Time: 3Hrs **Max Marks: 60**

Attempt all the questions. All parts of the question must be answered in one place only.
In Q.no 1 to 5 answer either Part-A or B only

Q.1(A)	What is meant by Inheritance? Mention its types. Explain Inheritance concepts with programming example in Java	12M
	OR	
Q.1(B)	i. What are drawable resources in Android? Explain in brief.	6M
	ii. Write short notes on Android Anatomy.	6M
Q.2(A)	i. What is meant by an Activity? Explain the Activity life cycle in detail	6M
	ii. Define Services? Discuss briefly the services life cycle	6M
	OR	
Q.2(B)	i. Write short notes on: Logging messages in Android.	6M
	ii. Write short notes on: Threading concept in Android with a neat diagram	6M
Q.3(A)	i. What is meant by a Fragment in android? Mention the types of Fragments.	3M
	ii. Explain how fragments can be created dynamically with an example	9M
	OR	
Q.3(B)	Define Content Providers. Explain how you will create a content provider for an android application to insert data and to delete data.	12M
Q.4(A)	Write short notes on: i. Adapters	6M
	ii. Basic Main Activity	6M
	OR	
Q.4(B)	Explain the working strategy of Broadcast Receivers in Android	12M
Q.5(A)	Explain in detail: Android Application widgets	12M
	OR	
Q.5(B)	Write a short notes on: i. Live Wallpaper	6M
	ii. Handler	6M

***** END*****