

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA III Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec' 2019

(Regulations: R16)

DATA WAREHOUSING AND DATA MINING

Time: 3Hrs

Max Marks: 50

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 KDD? Explain Data Mining Process in KDD. 10M

OR

Q.1(B) Discuss in detail about Data Reduction. 10M

Q.2(A) Explain the differences between OLAP and OLTP. 10M

OR

Q.2(B) Apply Apriori algorithm find all frequent item sets for the following Market Basket data. Minimum Support -2 10M

T_id	Items
1	I1,I2,I5
2	I2, I4
3	I2, I3
4	I1, I2,I4
5	I2,I3
6	I2,I3
7	I1,I3
8	I1,I2,I3,I5
9	I1,I2,I3

Q.3(A) Explain the issues regarding Classification and Prediction. 10M

OR

Q.3(B) Illustrate decision tree induction method. 10M

Q.4(A) What is Clustering? Explain different types of clustering methods. 10M

OR

Q.4(B) Illustrate K-means clustering with example. 10M

Q.5(A) Write in detail about text mining. 10M

OR

Q.5(B) Write about similarity search in time series data mining. 10M

*** END***

Hall Ticket No:

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Course Code: 16MBA442

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

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MCA III Year I Semester (R16) Regular & Supplementary End Semester Examinations –Dec' 2019

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MANAGEMENT OF SOFTWARE PROJECT

Time: 3Hrs

Max Marks: 50

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. Write the comparative overview of the project, program and the portfolio management. 7M
ii. Discuss the scope of software projects. 3M

OR

- Q.1(B) Explain the roles, responsibilities and the competencies of a project manager. 10M

- Q.2(A) How the controlling of the project works? What are the steps involved in the project control. 10M

OR

- Q.2(B) i. Explain the inputs and tools required in scheduling. 10M
ii. Explain the WBS structure with diagram.

- Q.3(A) Describe the tools and techniques required for conduct procurements. 10M

OR

- Q.3(B) Elaborate the inputs, tools and techniques and outputs required for team development. 10M

- Q.4(A) Write a short notes on: 10M
i. Project quality management
ii. Quality assurance

OR

- Q.4(B) What is quantitative risk analysis? Explain the quantitative risk analysis and modeling techniques. 10M

- Q.5(A) Write a short notes on: 10M
i. Plan stakeholder management
ii. Stakeholder engagement

OR

- Q.5(B) Explain briefly about the processes of project integration management. 10M

*** END***

Hall Ticket No:

Question Paper Code: 16MCA413

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA III Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec' 2019

(Regulations: R16)

MOBILE APPLICATION DEVELOPMENT USING ANDROID

Time: 3Hrs

Max Marks: 50

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. Mention the versions of Android. 2M
ii. What is Android Stack? Discuss Android Stack with a Neat sketch elaborately. 8M

OR

- Q.1(B) ii. Write a detailed procedure and code to create an android application to display a simple text "Hello! Android" in the emulator. 10M

- Q.2(A) What is meant by layout? Mention its types. 10M
How an android interface can be created using XML coding?

OR

- Q.2(B) i. Write short notes on: Logging messages in Android. 5M
ii. Write short notes on: Threading concept in Android with a neat diagram. 5M

- Q.3(A) i. Define Fragment in Android. Write about Fragment Life Cycle with a neat diagram. 3M
ii. What are the types of memory available in android and explain each of them. 7M

OR

- Q.3(B) i. Write Shorts on SQLite database management system in Android. 5M
ii. Explain the different types of file systems in Android briefly. 5M

- Q.4(A) i. Write an android application to create a list using ArrayAdapter and ListView control 6M
ii. Write short notes on Alarms and System services 4M

OR

- Q.4(B) Discuss in detail: Broadcast Receivers with example 10M

- Q.5(A) Write short notes on:
i. HTTP URI 4M
ii. Live Wallpapers 6M

OR

- Q.5(B) Explain different types of Sensors in Android in detail 10M

*** END***

Hall Ticket No:

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Question Paper Code: 16MCA113

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MCA III Year I Semester (R16) Regular & Supplementary End Semester Examinations –Dec'2019

(Regulations: R16)

CRYPTOGRAPHY & NETWORK SECURITY

Time: 3Hrs

Max Marks: 50

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 about different defence strategies and techniques for preventing the cyber- attacks. 10M

OR

Q.1(B) Explain Internet Key Exchange (IKE) Protocol. 10M

Q.2(A) Explain about authentication and key agreement in 802.11i. 10M

OR

Q.2(B) i. Illustrate how confidentiality is provided in WLANS. 5M

ii. Explain the main security goals in GSM/UMTS. 5M

Q.3(A) i. Explain about Dos and Ddos attacks. 5M

ii. Explain about spoofing. 5M

OR

Q.3(B) i. Discuss about phishing. 5M

ii. Explain about discretionary access control in Unix. 5M

Q.4(A) What is a topological worm? Explain with an example. 10M

OR

Q.4(B) i. Write the characteristics of virus. 5M

ii. What are the main functionalities of firewall? 5M

Q.5(A) i. Explain clearly about Network based IDS. 5M

ii. Write about SAML. 5M

OR

Q.5(B) Discuss about the preventive measures taken inside the network for Ddos attacks 10M

*** END***