

Hall Ticket No:

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Question Paper Code: 16MCA112

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA (2Yrs) II Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2018

(Regulations: R16)

DATA WAREHOUSING AND 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 Data Mining? Explain the architecture of data mining. 10M

OR

Q.1(B) Explain in detail about the following

i) Data Cleaning

5M

ii) Data transformation

5M

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

OR

Q.2(B) Discuss Mining of Multi level Association rules from transactional databases. 10M

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

OR

Q.3(B) Explain classification by Back Propagation. 10M

Q.4(A) Define Cluster Analysis. Explain different types of data in Cluster analysis. 10M

OR

Q.4(B) Discuss any two of the Density-based methods. 10M

Q.5(A) Explain Multimedia data mining. 10M

OR

Q.5(B) What is web mining? Discuss various web mining techniques. 10M

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Question Paper Code: 16MBA116

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA (2Yrs) II Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2018

(Regulations: R16)

STRATEGIC MANAGEMENT

(Open Elective)

Time: 3Hrs

Max Marks: 50

Attempt all the questions. All parts of the question must be answered in one place only.

Q.1(A) Discuss about the factors that shape a company's strategy. 10M

OR

Q.1(B) How do firms identify their internal strengths and weaknesses? 10M

Q.2(A) Explain Porter's five force model with suitable examples. 10M

OR

Q.2(B) How TOWS matrix is different from SWOT analysis? 10M

Q.3(A) Explain different types of strategies with suitable illustrations. 10M

OR

Q.3(B) Explain the various phases of strategy formulation with examples. 10M

Q.4(A) What are the three reasons that firms can choose to diversify their operations? 10M

OR

Q.4(B) "Resource allocation plays a vital role in strategy implementation". Explain 10M

Q.5(A) Discuss the process of strategic evaluation and control in detail. 10M

OR

Q.5(B) Write the following: 10M
i) Strategic Audit
ii) Strategic Surveillance.

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Question Paper Code: 16MBA118

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA (2Yrs) II Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2018

(Regulations: R16)

ENTREPRENEURSHIP DEVELOPMENT & PROJECT MANAGEMENT

(Open Elective)

Time: 3Hrs

Max Marks: 50

Attempt all the questions. All parts of the question must be answered in one place only.

Q.1(A) "Entrepreneurship is a process of giving birth to an enterprise". Discuss. 10M

OR

Q.1(B) In the Indian context, explain the specific role that Entrepreneurship has fulfilled in the economic development of the country. 10M

Q.2(A) "EDP is a process of 'grooming' entrepreneurs". Explain. 10M

OR

Q.2(B) Explain the need for and objectives of EDPs. 10M

Q.3(A) Discuss the functions of women entrepreneurs in small-scale enterprises development. 10M

OR

Q.3(B) Give an account of development of women entrepreneurs in India with suitable examples. 10M

Q.4(A) Discuss the role of IDBI in financing small enterprises in India. 10M

OR

Q.4(B) Discuss the various types of assistances the bank provides to the entrepreneurs engaged in Export and Import business in India. 10M

Q.5(A) What is a District Industries Centers (DICs)? Explain the functions of the DICs. 10M

OR

Q.5(B) Write short notes on 10M
i. SISI
ii. EDII

*** END***

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
MCA(2Yrs) II Year I Semester (R16) Regular End Semester Examinations – Dec 2017
(Regulations: R16)

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) What are the interpersonal skills required for a project manager? Explain. 10M
- OR**
- Q.1(B) Discuss the relationship among project management, portfolio management and organization project management. 10M
-
- Q.2(A) Write short notes on:
- i) Forms of WBS structure with diagrams 5M
 - ii) Estimation of cost and determination of budget 5M
- OR**
- Q.2(B) Explain the processes of software cost management. 10M
-
- Q.3(A) Discuss the guidance of procurement management plan. 10M
- OR**
- Q.3(B) Explain the roles and responsibilities of team members. 10M
-
- Q.4(A) Explain in detail about communication management in software projects. 10M
- OR**
- Q.4(B) Explain the quantitative risk analysis and modeling techniques. 10M
-
- Q.5(A) Elaborate the processes required for project stakeholders' management. 10M
- OR**
- Q.5(B) Write notes on:
- i) Project charter 5M
 - ii) Monitor and control project progress 5M

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Question Paper Code: 16MCA413

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA (2Yrs) II Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2018

(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. What is Android and Give the History of Android 5M
ii. Write down various Android Versions. 5M

OR

- Q.1(B) What is meant by Android Stack and explain it elaborately with a neat diagram. 10M

- Q.2(A) i. Explain activity life cycle with a neat diagram. 5M
ii. What is service? Explain service life cycle with a neat diagram 5M

OR

- Q.2(B) What is meant by layout? Mention its types and Explain them. 10M

- Q.3(A) i. Discuss fragment lifecycle in detail with the help of a diagram. 4M
ii. Explain how fragments can be created dynamically 6M

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. 10M

- Q.4(A) i. Explain Main Activity and Basic Main Activity. 5M
ii. Discuss Timeline fragment. 5M

OR

- Q.4(B) How will you create a Broadcast and Boot Receivers in Android? Explain in detail 10M

- Q.5(A) Explain Networking basics with widely using methods in it. 10M

OR

- Q.5(B) Write short notes on: i. Live Wallpaper 5M
ii. Handlers 5M

END

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Question Paper Code: 16MCA113

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA (2Yrs) II Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2018

(Regulations: R16)

CRYPTOGRAPHY AND 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) Differentiate between secret and public key cryptography and explain various technical security attacks. 10M

OR

Q.1(B) What is security policy? Illustrate in detail about SSL architecture with protocols. 10M

Q.2(A) Discuss on authentication and key agreement in IEEE 802.11. 10M

OR

Q.2(B) List out cell phone security goals and discuss on security enhancements in 3G networking. 10M

Q.3(A) Discuss on Session Hijacking and Pharming attacks, DOS and Spoofing. 10M

OR

Q.3(B) Explain various software vulnerabilities. 10M

Q.4(A) i. Differentiate among virus, worm, Trojan horse. 10M
ii. Write a short note on Firewall

OR

Q.4(B) Explain in detail about BOTNET. 10M

Q.5(A) What is DDOS attack? Explain prevention and detection of DDOS attacks 10M

OR

Q.5(B) Write a short note on 10M
i. Anomaly based IDS
ii. Signature based IDS
iii. Web services

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Question Paper Code: 16MCA418

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA (2Yrs) II Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2018

(Regulations: R16)

CLOUD INFRASTRUCTURE & SERVICES

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) Define Cloud computing and its characteristics. 10M

OR

Q.1(B) What is hypervisors? Explain different types of hypervisors. 10M

Q.2(A) Explain architectural design of compute and storage clouds? 10M

OR

Q.2(B) Explain any six benefits of Software as service in cloud computing? Explain service level agreements in cloud? 10M

Q.3(A) What are the Key Differences of On Premise vs. Cloud 10M

OR

Q.3(B) What are the differences among Infosec cloud Delivery models(IaaS, SaaS and PaaS) and how to choose? 10M

Q.4(A) What are the main differences between platform and infrastructure? 10M

OR

Q.4(B) Explain in detail about hybrid cloud implementation 10M

Q.5(A) Explain in detail about Cloud Storage. List out Pros and Cons of Cloud Storage 10M

OR

Q.5(B) Explain about Security and Privacy Issues in Cloud Computing Environment 10M

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Question Paper Code: 16MCA419

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA (2Yrs) II Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2018

(Regulations: R16)

INTERNET OF THINGS

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 M2M Solutions. 10M

OR

Q.1(B) Explain about Trends in information and communication Technologies. 10M

Q.2(A) Write a note on IOT architecture with an outline of it. 10M

OR

Q.2(B) Explain about Information -Driven Value Chains with diagrams. 10M

Q.3(A) Explain about ETSI Functional Architecture. 10M

OR

Q.3(B) How data in IOT required to be managed? Explain. 10M

Q.4(A) How Information Model works? Explain. 10M

OR

Q.4(B) What is IOT domain model? Explain. 10M

Q.5(A) List and Explain different Functional views. 10M

OR

Q.5(B) What is Service oriented Architecture? Explain. 10M

*** END***