

Hall Ticket No:

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Question Paper Code: 16MCA111

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)

MCA II Year II Semester (R16) Regular & Supplementary End Semester Examinations – June 2018
(Regulations: R16)

JAVA PROGRAMMING

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) Write short notes on java Architecture. 6M
Define the Buzz Words of Java. 4M

OR

Q.1(B) Write short notes on conditional statements. Write a program to read the input in between 1 to 7 and display the output as weekdays. 10M

Q.2(A) What is a method? Explain various types of methods. 5M
Write a program to find the factorial of given number with the help of method. 5M

OR

Q.2(B) With an example, Explain types of Inheritance. 10M

Q.3(A) Define interfaces in Java. Write a program for Hybrid interfaces. 10M

OR

Q.3(B) What is meant by threading in Java? Explain in detail with example program. 10M

Q.4(A) i. Write short notes on TypeWrappers. 5M
ii. Write short notes on Thread LifeCycle. 5M

OR

Q.4(B) Write short notes on networking program. Write a program to display TCP/IP address. 10M

Q.5(A) Define various controls of Swings. Write a program to design a login screen. 10M

OR

Q.5(B) Write a swing program to design an E-Mail Registration form with action. 10M

*** END***

Hall Ticket No:

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Question Paper Code: 16MCA401

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)

MCA II Year II Semester (R16) Regular & Supplementary End Semester Examinations – June 2018
(Regulations: R16)

WEB PROGRAMMING THROUGH PHP

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) Create a HTML page for displaying the salient features of your college using basic and advanced tags. 10M
- OR
- Q.1(B) i. Explain the concept of Arrays. Write a PHP program to demonstrate the different types of arrays such associative and multidimensional arrays. 6M
ii. Explain the control structure for performing repeating actions through iterations in PHP. 4M
-
- Q.2(A) i. What is function? What are the scopes of it? Write a function in PHP program which finds the smallest of 3 values passed to the function as parameters? 5M
ii. Explain the difference between passing by value and reference. 5M
- OR
- Q.2(B) What is recursive function? Design a HTML form that accepts a integer value, on submitting the form, PHP program should be called to find the factorial of the integer values using recursive concept and display the result. 10M
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- Q.3(A) i. Explain the Object Oriented programming Concept. 5M
ii. Write a PHP program that demonstrate the creation of class and object. 5M
- OR
- Q.3(B) i. Differentiate between function overloading and overriding. 5M
ii. What is exception handling? How it is handled in PHP? 5M
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- Q.4(A) i. What is RDBMS? Explain the web database architecture with a neat diagram. 5M
ii. Write a Query for performing the following activities in MySQL 5M
1. Create database "MITS" and table "students" in it.
 2. Insert the values into "students"
 3. List all the values entered in the "Students" table
 4. Delete the rows who's department is "IT"
 5. Drop the table from database
- OR
- Q.4(B) i. What is a constraint? Write query to create primary key and foreign key constraints on the tables. 5M
ii. Explain the DDL and DML commands with an example. 5M
-
- Q.5(A) i. What is XML? Create a XML document that describes the contact address of your college. 5M
ii. Explain the difference between GET and POST method with an example PHP program. 5M
- OR
- Q.5(B) i. Explain the steps involved in connecting to MySQL from PHP code. 5M
ii. Write a PHP application that validates the entered username and password by comparing it with data stored in MySQL database. 5M

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Question Paper Code: 16MCA407

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA II Year II Semester (R16) Regular & Supplementary End Semester Examinations – June 2018

(Regulations: R16)

NETWORK SECURITY ESSENTIALS AND STANDARDS

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) Write short notes on 10M
(i) Security services
(ii) Feistel cipher structure

OR

Q.1(B) Explain in detail about various types of cyber attacks. 10M

Q.2(A) Compare the Features of SHA-1 and MD5 algorithm. 10M

OR

Q.2(B) (i) Draw the general structure of DES and explain the encryption decryption process. 10M
(ii) Mention the strengths and weakness of DES algorithm.

Q.3(A) What is meant Certificate of Authority? Explain merits and de-merits 10M

OR

Q.3(B) i. Demonstrate the general structure of private key ring? 10M
ii. Illustrate different approaches to public key management?

Q.4(A) How encryption and authentication algorithms are used for following 10M
(i) Authentication Header
(ii) Encapsulation security payload Knowledge

OR

Q.4(B) Discuss how TLS include protocol mechanisms and services to enable two TCP users to 10M
determine the security?

Q.5(A) In the PGP scheme, what is the expected number of session keys generated before a 10M
previously created key is produced? Explain.

OR

Q.5(B) Explain S/MIME Certificate Processing in detail. 10M

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Question Paper Code: 16MBA111

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA II Year II Semester (R16) Regular & Supplementary End Semester Examinations – June 2018

(Regulations: R16)

HUMAN RESOURCE MANAGEMENT

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) Enumerate the nature and scope of HRM. 10M

OR

Q.1(B) Write brief notes on (i) HR scorecard, (ii) Work-life-balance. 10M

Q.2(A) Define job analysis. Describe the process of job analysis. 10M

OR

Q.2(B) Explain the steps involved in a selection process. 10M

Q.3(A) Describe the on-the-job training methods. 10M

OR

Q.3(B) What is performance management? Explain the objectives and uses of performance management. 10M

Q.4(A) What do you mean by compensation? Enumerate the objectives of employee compensation. 10M

OR

Q.4(B) What are the methods of job evaluation? Explain. 10M

Q.5(A) Write an essay on human resource information system. 10M

OR

Q.5(B) What is human resource accounting? State the objectives of this system. 10M

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