

Hall Ticket No:

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Question Paper Code: 16MBA111-M1

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA(2Yrs) I Year II Semester (R16) Supplementary End Semester Examinations – Jan 2019

(Regulations: R16)

PROBLEM SOLVING THROUGH PROGRAMMING IN C (MOOC)

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 Part B only

- Q.1(A) (i) Explain with example Syntax error and Semantic error. 6M
(ii) Write a flow chart to calculate the maximum of three given integers. 4M

OR

- Q.1(B) Write a C program to convert temperature from Fahrenheit to Celsius and Celsius to Fahrenheit. 10M

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- Q.2(A) Write a C program to find the area and circumference of a circle 10M

OR

- Q.2(B) Write a C program to find the sum of all elements in a given array. 10M

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- Q.3(A) Write a C program to perform addition of two matrices. 10M

OR

- Q.3(B) Write a C program to calculate the area of triangle using functions. 10M

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- Q.4(A) Write a C program to perform string concatenation of two given strings 10M

OR

- Q.4(B) Write a C program to calculate the factorial of given number using recursion. 10M

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- Q.5(A) Explain about structures with an example 10M

OR

- Q.5(B) Explain about the pointers with an example. 10M

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