

Hall Ticket No:

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Question Paper Code: 14ENG104

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA I Year I Semester (R16) Supplementary End Semester Examinations – June 2018

(Regulations: R16)

ENGLISH FOR COMMUNICATION

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) Read the following paragraph and fill the suitable verb forms for given below by using hints. 10M

Hints: *Make, displace, release, lose, vibrate, produce, vibrate, depend, stretch, die out*

When a string—1--- under tension between two fixed points, we ---2---it---3--- by---4---it to one side and then ---5--- it. At most frequencies of vibration the energy ---6--- rapidly and the vibration---7---. However, when the string---8--- at certain natural (resonant) frequencies, standing waves ---9--- by the interference between the wave and its own reflection from the fixed ends. These resonant frequencies ---10--- on the length and mass of the string, and the tension in the string.

OR

Q.1(B) Write the importance of Vocabulary in learning English Language and take 5 (five) root words and frame nouns, adjectives and adverbs. 10M

Q.2(A) What is Communication and explain the Process and flow of Communication? 10M

OR

Q.2(B) What are the features of effective listening? 10M

Q.3(A) Define the techniques which are involved in the Reading Skills. 10M

OR

Q.3(B) Bring out the aspects of Effective Writing. 10M

Q.4(A) Explain the characteristics of the Job interview. 10M

OR

Q.4(B) Give a detailed note on 'Open Question' method in interview type with five questions as examples. 10M

Q.5(A) What are the aspects should be taken care of while preparing a job application letter? 10M

OR

Q.5(B) Evaluate your education, professional training, skills, accomplishment or achievements, interests and experience (if any) and prepare a resume. 10M

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Hall Ticket No:

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Question Paper Code: 16MCA101

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA I Year I Semester (R16) Supplementary End Semester Examinations – June 2018

(Regulations: R16)

INTRODUCTION TO COMPUTING

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) Discuss the use of input and output devices in a computer system. Also list three input and three output devices. 10M

OR

Q.1(B) Write short notes on 10M
i) Error-Detecting codes in Data Representation.
ii) What is algorithm? How computer algorithms work.

Q.2(A) Why secondary memory is required in a computer system? List some secondary storage devices and explain them briefly. 10M

OR

Q.2(B) Explain Specification of a desktop and Laptop computer currently available in the market. 10M

Q.3(A) Explain about i/O to processor Communication in computer Architecture. 10M

OR

Q.3(B) Illustrate Types of Software in a computer. 10M

Q.4(A) Write short notes on 10M
i) semaphores
ii) context switching
iii) Multithreading

OR

Q.4(B) Explain different normal forms in DBMS. 10M

Q.5(A) Explain different LAN technologies in computer networks. 10M

OR

Q.5(B) Write about 10M
i). Cyber privacy.
ii). Internet Security.
iii). Cyber Laws.

*** END***

Hall Ticket No:

Question Paper Code: 16MCA102

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

MCA I Year I Semester (R16) Supplementary End Semester Examinations – June 2018

(Regulations: R16)

PROGRAMMING IN C

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) Define flow chart. Explain its symbols. 5M
ii) Write an algorithm and draw the flow chart to find the bigger of two numbers. 5M

OR

- Q.1(B) What is a data type? Write about different data types in C. 10M

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- Q.2(A) Explain different types of I/O functions in C. 10M

OR

- Q.2(B) i) Explain about conditional operator in C. 5M
ii) Write a program to find the bigger of the two numbers using conditional operator. 5M

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- Q.3(A) i) Explain about switch statement 5M
ii) Write a program which takes two integer operands and one operator from the user, performs the operations and print the result. 5M

OR

- Q.3(B) i) Explain about different types of looping statements. 5M
ii) Write a program to generate the prime numbers up to the given range. 5M

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- Q.4(A) Define function. Write about different types of functions along with an example. 10M

OR

- Q.4(B) What is a pointer? Write its advantages and disadvantages. Illustrate with an example 10M

-
- Q.5(A) i) Explain about different types of files. 5M
ii) Write a C Program to reverse the first n characters in a file. 5M

OR

- Q.5(B) i) What is recursion? Explain. 5M
ii) Write a program to find the factorial of the given number using recursion. 5M

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Hall Ticket No:

Question Paper Code: 16MCA103

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE
(UGC-AUTONOMOUS)
MCA I Year I Semester (R16) Supplementary End Semester Examinations – June 2018
(Regulations: R16)
COMPUTER ORGANIZATION

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 the different logic gates with their truth tables and logical circuits. 10M

OR

Q.1(B) What is bus? Explain the different types of bus with metrics and performances. 10M

Q.2(A) What is Addressing Mode? Explain briefly with examples. 10M

OR

Q.2(B) What is instruction? Explain instruction lifecycle with an example. 10M

Q.3(A) What is pipeline? Explain how pipelining influence on instruction set. 10M

OR

Q.3(B) What is hazard? Explain the structural Hazard with an example. 10M

Q.4(A) Explain the following

- i. Big-endian memory organization 5M
- ii. Little- endian memory organization 5M

OR

Q.4(B) What is cache memory? Explain the importance of Cache Memory functionally. 10M

Q.5(A) What is interface? Explain the different types of interfaces with examples. 10M

OR

Q.5(B) What is DMA? Explain the advantages of DMA. 10M

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