

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) Regular & Supplementary End Semester Examinations – Dec 2017**  
(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) What is Tense and explain the syntax of Present tense and its uses with examples. 10M

OR

Q.1(B) Write the formations of Suffixes and Prefixes with examples at least five each. 10M

Q.2(A) What are the barriers to Listening and how they influence listening? 10M

OR

Q.2(B) Explain about Non-Verbal Communication Skills and its importance 10M

Q.3(A) Discuss the differences between Spoken and Written Communication? 10M

OR

Q.3(B) Why Communication Skills are important now-a-days. Explain? 10M

Q.4(A) a. Write a short note on video Conferencing Interview? (5M) 10M  
b. What is Panel Interview and what steps to be taken to face Panel Interview? (5M)

OR

Q.4(B) Write about the types of interviews and give the importance of interview skills. 10M

Q.5(A) Write a successful E-mail message characteristics. 10M

OR

Q.5(B) Write a report on savageness with garbage in your locality to a daily paper. 10M

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**MCA I Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2017**

(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) Write the structure of the C program and Explain. 5M  
ii) Write an algorithm and draw the flow chart to find the sum of the digits of the given integer. 5M

OR

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

- Q.2(A) Define Operator. Explain different types of operators in C. 10M

OR

- Q.2(B) Write about different types of I/O functions in C. 10M

- Q.3(A) Compare and contrast the differences between while and do while and illustrate with an example. 10M

OR

- Q.3(B) i) Compare and contrast the differences between break and continue statements. 5M  
ii) Write a program to check whether the given number is prime or not. 5M

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

OR

- Q.4(B) What is a string? Discuss different types of string handling functions in C. 10M

- Q.5(A) i) Explain the step by step procedure to perform file manipulations. 5M  
ii) Write a program to read the contents into the file. 5M

OR

- Q.5(B) Define Structure. How to define and declare a structure? Illustrate with an example Program? 10M

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## MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

**MCA I Year I Semester (R16) Regular & Supplementary End Semester Examinations –Dec 2017**

(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) Explain in detail about classification of computers. 10M
- OR**
- Q.1(B) Convert the following. 10M  
 i) 10010111 to decimal, Hexa Decimal.  
 ii) hexadecimal to binary: D3CODE7415
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- Q.2(A) Write short notes on 10M  
 i) Memory cells  
 ii) RAM  
 iii) Serial access memory
- OR**
- Q.2(B) What is instruction and instruction set? What is the difference between assembly language and machine language? 10M
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- Q.3(A) Write short notes on 10M  
 i) Virtual memory  
 ii) RISC  
 iii) Interrupt Structures
- OR**
- Q.3(B) Explain different types of programming languages in computer software. 10M
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- Q.4(A) Discuss any 3 functions of operating systems. 10M
- OR**
- Q.4(B) Explain data models in Database Management System. 10M
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- Q.5(A) Explain briefly about 10M  
 i) Types internet services.  
 ii) Uniform Resource Locator.
- OR**
- Q.5(B) Explain types of networks in computer communications with a neat diagram. 10M

\*\*\* END\*\*\*

Hall Ticket No:

Question Paper Code: 16MCA103

**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE**

(UGC-AUTONOMOUS)

MCA I Year I Semester (R16) Regular & Supplementary End Semester Examinations – Dec 2017

(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) What is number system? Explain fixed point and floating point operations with 10M  
examples.

**OR**

Q.1(B) Briefly explain the simplifying steps of K-Map. 10M

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Q.2(A) Explain the following 5M  
i. Registers 5M  
ii. RISC-CISC

**OR**

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

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Q.3(A) Explain the different types of hazards with examples. 10M

**OR**

Q.3(B) What is Pipelining? Explain different stages in pipelining. 10M

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Q.4(A) What is memory organization? Explain with neat diagram. 10M

**OR**

Q.4(B) What is virtual memory? Explain with neat diagram. 10M

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

**OR**

Q.5(B) What is I/O Driven Architecture? Explain with an example. 10M

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