Hall Ticket No: | | | | | | | | | | | Question Paper Code: 14ENG104

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

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

(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)	Explain the difference between simple present tense and present perfect with examples.	10M
	OR	
Q.1(B)	Write about your past activities using past tense.	10M
Q.2(A)	What is Technical Communication? Discuss the types of Communication.	10M
	OR	
Q.2(B)	Write in brief about the barriers of Communication.	10M
Q.3(A)	Differentiate effective and ineffective listening.	10M
	OR	
Q.3(B)	Write an essay on the features of Reading Skills.	10M
Q.4(A)	Give a detailed account on effective Technical Presentations.	10M
	OR	
Q.4(B)	Discuss the role of soft skills In Interviews.	10M
Q.5(A)	Write a report on the Science Day Celebrations in your college.	10M
	OR	
Q.5(B)	How would you define a report? Write about different types of reports?	10M

***** END*****

Hall Ticket No: | | | | | | | | | | | Question Paper Code: 16MCA101

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE, MADANAPALLE

(UGC-AUTONOMOUS)

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

(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)	What is an algorithm? Explain with an example.	10M
	OR	
Q.1(B)	(i) Write about printers? (ii) 428 to Binary, Octal, Hexa Decimal.	10M
Q.2(A)	Write about Floppy disk, Tapes & Hard Disk.	10M
	OR	
Q.2(B)	(i) 1010101 to Decimal, Octal, Hexa Decimal. (ii) Explain the process used in Laptops and Desktop's.	10M
Q.3(A)	Write about Virtual Memory and Multiprocessors?	10M
	OR	
Q.3(B)	(i) Write about RISC. (ii) Write short notes on Programming Languages.	10M
Q.4(A)	(i) In detail Explain about Operating systems. (ii) Write short notes on Database.	10M
	OR	
Q.4(B)	In detail explain Parallel computing and Distributed computing.	10M
Q.5(A)	What is a LAN? Explain types of LAN's?	10M
	OR	
Q.5(B)	Write short notes on i) WWW (ii) Browser (iii) search engines	10M

***** 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 – Jan 2019

(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)	Give the structure of a 'C' program with an example	10M
	OR	
Q.1(B)	What is a data type? Explain different data types in C with example.	10M
Q.2(A)	What is an operator? Explain the various operators available in C.	10M
	OR	
Q.2(B)	Explain the use printf and scanf function with example.	10M
Q.3(A)	What is recursion? Explain with the help of an example.	10M
	OR	
Q.3(B)	What are the differences between while loop and do while loop. Explain each with a suitable program.	10M
Q.4(A)	What is an array? Explain the declaration and initialization of one and Two dimensional arrays with example.	10M
	OR	
Q.4(B)	Explain storage classes with example.	10M
Q.5(A)	Explain union concepts with example.	10M
	OR	
Q.5(B)	Explain File handling functions.	10M

***** END*****

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 – Jan 2019

(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 basic structure of a digital computer	10M
	OR	
Q.1(B)	What is multiplexer? Explain 8-1 multiplexer with truth table	10M
Q.2(A)	Explain the following	
	i) Shifter	5M
	ii) Multiplication	5M
	OR	
Q.2(B)	Differentiate RISC & CISC with example.	10M
Q.3(A)	What is BUS? Explain different types of BUS architecture.	10M
	OR	
Q.3(B)	Explain the need of Addressing modes, with neat diagram.	10M
Q.4(A)	Explain the concept of virtual memory with mapping techniques.	10M
	OR	
Q.4(B)	Explain the following	
	i) Primary memory	5M
	ii) Secondary memory	5M
Q.5(A)	What is DMA? Explain how it is interacting with memory with neat diagram.	10M
	OR	
Q.5(B)	Explain the memory hierarchy.	10M

***** END*****