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

MCA (2Yrs) II Year II Semester (R14) Regular & Supplementary End Semester Examinations – May 2017
(Regulations: R14)

BIG DATA AND ANALYTICS

Time: 3Hrs   Max Marks: 60

> 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 Big Data.	2M
	ii.	What are its technology components, explain briefly?	3M
	iii.	Explain different types of Big Data.	3M
	iv.	Explain the term Big Table.	4M

OR

Q.1(B)	Explain briefly how a successful Big Data Management Architecture can be built?	12M

Q.2(A)	i.	Define Structured Data.	2M
	ii.	Briefly explain different categories of sources of Big Structured Data.	5M
	iii.	Differentiate between Structured and Unstructured Data.	5M

OR

Q.2(B)	i.	What are real time and non real time aspects of Big Data?	6M
	ii.	Explain briefly about Hadoop stream?	6M

Q.3(A)	Define virtualization. Explain how virtualization impacts big data?	12M

OR

Q.3(B)	i.	What is Big Data analytics? List out different tools used in big data analytics.	3M
	ii.	Differentiate between relational and non-relational databases.	5M
	iii.	Explain Hadoop security.	4M

Q.4(A)	i.	What are the characteristics of Non Relational Database Technology?	6M
	ii.	What is document database? Give some examples.	3M
	iii.	What do you mean by Columnar Databases? Give some examples.	3M

OR

Q.4(B)	What is CouchDB? What are its capabilities, explain briefly?	12M

Q.5(A)	What is Map Reduce? What are the foundational behavior of Map Reduce? Explain briefly.	12M

OR

Q.5(B)	Define HDFS. Explain how does it works? Define HDFS metadata.	12M

*** END***

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E-BUSINESS

Time: 3Hrs   Max Marks: 60

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 do you understand by E-Business? Discuss its role in today's business   12M
scenario.

OR

Q.1(B) List out the inhibitors of E-Business.   12M

Q.2(A) What are the various electronic tokens that are used in electronic payment   12M
system?

OR

Q.2(B) Compare and contrast the differences between traditional market and e-market.   12M

Q.3(A) Explain briefly about the different approaches to middle ware.   12M

OR

Q.3(B) What is middleware and what are its main services?   12M

Q.4(A) Explain in detail about the Legacy modernization techniques   12M

OR

Q.4(B) Explain the legacy systems and why they need to be leveraged?   12M

Q.5(A) Explain business standards and protocols with suitable examples.   12M

OR

Q.5(B) Write a short note on   12M
   i.   Risk management
   ii.   e-business security

*** END***