Reg. No.										

MANIPAL INSTITUTE OF TECHNOLOGY
MANIPAL
(A constituent unit of MAHE, Manipal)

II SEMESTER MCA

END SEMESTER EXAMINATIONS, APRIL 2018

SUBJECT: MANAGEMENT INFORMATION SYSTEM [MCA 5005]

REVISED CREDIT SYSTEM
(23/04/2018)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:
- ❖ Answer ALL the questions.
- ❖ Missing data may be suitable assumed.

1A.	What is DBMS and what are it's primary functions? Why are sequential files usually inadequate as databases?	5
1B.	Since RAM is volatile, how does one prevent loss of it's contents when the power is shut off? Briefly explain each of the four types of primary storage.	3
1C.	What is the difference between bounded and unbounded media? Outline the three types of bounded and four types of unbounded media.	2
2A.	What sort of an information system could help a company like Samsung overtake Apple in becoming the best mobile phone manufacturing company? Why?	5
2B.	List out the various limitations of MIS giving distinct points.	3
2C.	'Expert systems are especially useful for unstructured problems'. Comment on this statement. Give examples for the justification.	2
3A.	What purposes do databases serve in comparison with master files.	5
3B.	What are the approaches to MIS development in an organization? Discuss any two.	3
3C.	Which is an older concept, artificial intelligence or DSS? Discuss.	2
4A.	Why is direct access method faster than sequential method?	5
4B.	Outline the four constraints in developing MIS. Discuss how to overcome these constraints for successful implementation.	3
4C.	Discuss the need for normalization of databases.	2

5A.	How can the "maintainability" and "userfriendliness" of an information system be specified in quantitative terms? Comment giving an example each.	5
5B.	An institution like M.I.T would like to have very up-to-date scholars guiding their researchers. What type of training would they ideally go in for ? Should it be a case of vendor service training or in-house training?	3
5C.	Does information reduce uncertainty? Comment.	2