



II SEMESTER MCA

END SEMESTER EXAMINATIONS, APRIL 2019

SUBJECT: MANAGEMENT INFORMATION SYSTEM [MCA 5005]

REVISED CREDIT SYSTEM (29/04/2019)

Time: 3 Hours

MAX. MARKS: 50

Instructions to Candidates:

- Answer ALL the questions.
- Missing data may be suitable assumed.

1A	Consider the following table look out for any repeating groups, eliminate transitive dependencies if any and convert the table into 3NF.	5				
	(course-code, course-name, credits, course-prerequisites, stud-code, stud-name, stud-address, alias-name, pet-name, mob-no,dept-name,dept-address,dept-size,dept-hod).					
1B.	Mention the three main components of a DSS? Explain each type of component giving examples.	3				
1C.	Justify and showcase the cases wherein a transaction processing system can also work as a management information system.	2				
2A.	What sort of an information system would you think would help a company like Cyber-OM overtake Juniper Networks in becoming the best computer networking company? Justify your thought.	5				
2B.	What is a GDSS and how does it facilitate group decision making? What is the rol of a facilitator in a GDSS?					
2C.	'DSS are especially useful for semi-structured problems'. Comment on this statement giving examples.	2				
3A.	What is an Executive Information system? Explain the main differences between an executive information system and decision support system.	5				
3B.	Discuss the main characteristics of an expert system with a sharp focus on the main objectives of both decision support systems and expert systems.	3				
3C.	How does decision support systems allow managers to perform goal-seeking?	2				

Page 1 of 2

MCA 5005

4A.	ISAM is used to store master file records with record keys as shown below where each track has a capacity to store a maximum of 6 records. First of all do rearrange the records as per sequential nature of ISAM also an overflow area is available but with no records currently.								
	Track address Records								
	60008	1712	1717	1724	1726				
	64011	1642	1664	1650	1669	1658			
	63009	1270	1282	1292	1296			5	
40	ADD 1640,ADD 1667,DELETE 1669,CHANGE 1296 to 1298 Outline different types of general-purpose application software and explain each of them in brief.								
4B.									
4B. 4C.	them in brief. Name and list out	the five f	unction	ns of a d	lecision	support	system.	2	
4C.	them in brief. Name and list out								
4C.	them in brief. Name and list out Discuss the adva	intages an	d disa	dvantag	ges of		system. model with an appropriate		
	Name and list out Discuss the adva application case s	intages and tudy of a	d disa	dvantag k mode	ges of :	network			

MCA 5005 Page 2 of 2