	Utech
Name:	
Roll No.:	A Space Of Excellent England
Invigilator's Signature :	

CS/MCA/SEM-1/MCA-102/2009-10 2009

BUSINESS SYSTEMS AND APPLICATIONS

Time Allotted: 3 Hours Full Marks: 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

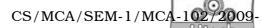
GROUP - A (Multiple Choice Type Questions)

- 1. Choose the correct alternatives for the following: $10 \times 1 = 10$
 - i) OLAP is most correctly associated with
 - a) Data warehousing
 - b) E-commerce
 - c) Batch processing systems
 - d) None of these.
 - ii) Multimedia streaming is
 - a) isochronous
- b) asynchronous
- c) synchronous
- d) none of these.
- iii) Automated Teller Machine is a/an
 - a) TPS
 - b) MIS
 - c) Expert System
 - d) Office Automation System.

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iv)	In ACID properties, C stands for						
	a)	comprehensibility	b)	concurrency control			
	c)	consistency	d)	convergence.			
v)	A model for MIS development is						
	a)	SSADM	b)	Evolutionary model			
	c)	Spiral model	d)	None of these.			
vi)		wledge that comes knowledge.	fro	om experience is a			
	a)	declarative	b)	procedural			
	c)	heuristic	d)	none of these.			
vii)	Decision table contains conditions and						
	a)	actions	b)	values			
	c)	relationships	d)	none of these.			
viii)	viii) Which of the following is a form of I Knowledge?						
	a)	Collection of facts	b)	Logical propositions			
	c)	Conceptual graphs	d)	All of these.			
ix)		zy logic is useful in mation.	maı	nipulating			
	a)	unreliable	b)	imprecise			
	c)	incomplete	d)	boolean.			
x)		te sharing is the term used to describe a processing tem where					
	a)	different tasks share th	he pr	ocessing time			
	b)	tasks are independent	of ea	ach other			
	c)	more time for I/O outputs	proc	essing than producing			
	d)	all of these.					



GROUP – B (Short Answer Type Questions)

Answer any three of the following.

 $3 \times 5 = 15$

- 2. Describe IEEE Wi-Fi standards 802.11a, 802.11b, 802.11g.
- 3. Describe the ACID properties of transactions in brief.
- 4. What are the differences between DSS and MIS?
- 5. What is transaction? Explain briefly the role of Transaction Processing Systems (TPS) in business process. 1+4
- 6. a) Explain the purpose of Feasibility study. How can detailed feasibility study be conducted?
 - b) State the main activities involved in the requirement analysis process.

GROUP – C (Long Answer Type Questions)

Answer any *three* of the following. $3 \times 15 = 45$

- 7. Distinguish very briefly between E-commerce and E-business. What is E-Governance ? How would you differentiate E-commerce on the basis of transaction type and transaction party (give very brief accounts of each with examples) ? 2+2+7+4
- 8. What are the differences between a normal database and a data warehouse? Present a schematic diagram of the process of data warehousing as used in businesses. What are data marts and operational databases used for? 6 + 3 + 6

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9.	a)	Wha	t are the various types of feasibility?	6			
	b)	Explain in detail the various steps involved in fe					
		stud	y.	9			
10.	a)	What are the main characteristics and limitations o					
		Expe	ert System ?	5 + 2			
	b)	Diffe	rentiate between the following :	4×2			
		i)	Declarative knowledge and Procedural knowle	edge			
		ii)	Human intelligence and Machine intelligence				
		iii) Structured decisions and Unstructured decisions					
		iv)	Data warehouse and Datamart.				
11.	Writ	te sho	rt notes on any three of the following:	3 × 5			
	a)	GDSS					
	b)	Geographic information system Distributed data processing Total quality management					
	c)						
	d)						
	e)	Relational database management system.					