Q.P. CODE: 36411

(Time:	3	H	0	u	r	5)
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[Total marks: 80]

N	ote (1) Qu	nestion No. 1 is compulsory.	
	(2) A	ttempt any four out of remaining six questions.	
	(3) A	nswer to sub-questions should be grouped together.	
	Q1.	(a)	Write short notes on any three of the following	12
	QI.	(4)	Phantom deadlock	The state of
			2. MOLAP	
			3. Neural network	
			4. Data Mart	
		(b)	Differentiate between (Any two)	8
		(0)	1. 2PC and 3PC	
			2. Roll up and drill down	
			3. OLTP & OLAP	13 13
			4. OID Vs URL	
	Q2.	(a)	Explain Bitmap index and bitmap join index with example.	7
		(b)	Explain architecture of parallel DBMS.	8
		(-)		
	Q3.	(a)	Explain KDD Process in detail. What is the role of data mining in	7
	QJ.	(4)	KDD?	
		(b)	Why commit protocols are necessary in distributed systems?	8
		()	Describe 2PC in detail.	
	Q4.	(a)	List the characteristics of XML, Explain XML documents and	7
		` /	databases.	
		(b)	Use k-means algorithm to cluster the following points into 2	8
		200	clusters: {2, 4, 10, 12, 3, 20, 30, 11, 25}	
			Suppose that initial cluster centers (seed) are 2 & 4. Run K-means	
	200	63,24	algorithm for three iterations.	
	29		(The distance function between two points $a=(x_1)$ and $b=(x_2)$ is	
-			defined as: $d(a, b) = x_2-x_1 $	
30	0.0	C.T.		
	Q5.	(a)	What is metadata of DW? How it is different from metadata of	7
1		60	OLTP systems?	
5.	3.75 C	(b)	What are the challenges associated with the implementation of	8
			ORDBMS with example.	
S. S.	345			
	Q6.	(a)	Explain various deadlock detection schemes in DDBMS. Define	7
1	S. S. C.		web mining.	
	200	(b)	Compare web content mining and web usage mining.	8
5	7 16	33.00		
00	Q7.	(a)	Explain major functions of OLAP.	7
1	S DITT	(4)	Penlain Compley types and structured types in ORDBMS	8

Q.P. Code :01355

	[Time: Three Hours]						[Mar	ks:80]
	Please check whether you have got the N.B: 1. Question.No.1 is compulsory. 2. Attempt any four question between question and question between question and question between question between question and question between question and question and question between question and question a				er.				
Q.1A)	Explain in details Simulation application in any one of t (i) Patient flow analysis in Hospital (ii) Book counters	the state of the s	A 100 M						(10)
В)	B) The inter- arrival time as well as service time at the Government Hospital is knows to be exponentially distributed. Currently, only one emergency case can be handled at a time. The arrival rate of patient is 4 per hours and service rate is 6 per hour. Compute the steady-state parameters and the probabilities for Zero, one, two, three and four or more patient in the hospital.							(10)	
Q.2 A)	A taxi hire company has three taxies which it hires out each day is distributed as Poisson with mean 1.8. Find no demand, (ii) demand is not satisfied.			13 50	4 2 2 6	S. 4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
B)	Explain the steps in simulation study.								(07)
Q.3 A)	Q.3 A) Give the inputs parameters, simulation variable, and output statistics for the Queuing system. Calculate the output statistics for the Queuing system whose inter-arrival and service times for ten arrival are given below.								(80)
	Inter arrival time (in min.) - 8 6 1	8 3	8	7	2	3			
	Service time (in min.) 4 1 4 3	2 4	5	4	5	3			
В)	Explain the steps on Manual Simulation of Single Chan	inel Queue.							(07)
Q.4A)	Explain the Goodness of fit test with an example.								(80)
	B) What are the measures of performance and estimation for output data? (0						(07)		
Q.5A)	Q.5A) What are the properties of random numbers? Describe the random generation methods in short. (0					. (08)			
B)	B) Explain Time Series Inputs models in details.					(07)			
Q6A)	What do you mean input analysis? Explain the steps of inputs analysis.					(80)			
B)	B) Explain the verification and validation of simulation models in short.					(07)			
17	Write short notes (Any Three)								(15)
	Discrete event simulation								
3.	3. Advantages and disadvantages of simulation 4. Weibull distribution								

MCA Sem-IV (CBSQS) / Soft Sbill Development/may-2018

Q.P.Code: 37743

			A A A
		(3 Hours) [Total Marks: 8	0]
N.B.:	(1) ((2) <i>i</i>	Question No. 1 is compulsory. Attempt any four out of remaining six questions.	
Q.1	(a)	What is non-verbal communication? Why is it important for effective communication?	8
	(b)	What is perception? How does it affect an individual's decision making?	7
Q.2	(a)	What is personality? Why is it important to understand personality of your colleagues at your work place?	8
	(b)	Discuss in brief ways to do time management? Why is it essential for you as a student to manage your time?	7
Q.3	(a)	Draft a report to be submitted to your college Principal on the possibility of starting an Entrepreneurship Cell in your college. Write the report including a brief statement of the finances required.	8
	(b)	Explain Maslow's theory of need? How does it affect a person's motivation level?	7
Q.4	(a)	Write a sales letter to business houses in your city offering to provide AMC for their computers.	8
	(b)	'Diversity should be there in an organization'. Discuss.	7
Q.5	(a)	What are the barriers to communication? What steps can be taken to remove them?	8
	(b)	Discuss what preparation you should be doing before giving a presentation.	7
Q.6	(a)	Write a notice along with agenda for a meeting of the Student's Council, to plan industrial visit of your college.	8
	(b)	What is the difference between a leader and a manager? An organization needs more leaders or managers? Comment.	7
Q.7		Write Short Note (any three)	15
	(a)	Blogging	
	(b)	Assertive behavior	
25	(c)	Ethical communication	
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MCAISEMIV (CBSGS) E Business / MAY 2018

Q.P. Code:03660

(3)	Hours)	[Total Marks: 8
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ľ	(2) (3)	Ouestion No. 1 is Compulsory. Attempt any four questions from the remaining six questions. Answers to sub-questions should be grouped and written together. Draw the diagrams wherever required.	
Q.1	(a)	What is E-Business? Discuss various categories of E-Business with appropriate illustrations.	10
	(b)	Why is a long range plan of MIS necessary? Explain the content of MIS plan in detail.	10
Q.2	(a)	What do you mean by Entrepreneurial Process? Explain with the help of process diagram.	8
	(b)	Explain the importance of information system in a digital firm and its new opportunities with technology.	7
Q.3	(a)	What is EDI? Explain business implications of EDI.	8
	(b)	What is information? How do you ascertain the class of information in the organization?	7
Q.4	(a)	What is Electronic Market? Explain advantages and disadvantages associated with Electronic Market.	8
	(b)	How information system impact organizations and business firms? Explain.	7
2.5	(a)	What do you mean by Enterprise applications? Discuss different Enterprise applications.	8
	(b)	Explain various security issues in E-Business.	7
16	(a)	What is Business Process? Explain various types of Business Information System from a functional perspective.	8
	(b)	Explain various factors affecting E-Business success in detail.	7
17		Write short notes on any three : (a) Value Chain Model (b) E-Business: Current global situation (c) Factors for success and failure of MIS (d) Whiteley's Model	15
	2006		

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MCA/SEMIV (CBSGS)/Human Computer Interface/MAY2018

Q. P. Code: 02858

Durat	tion: 3 hrs.	larks: 80	
Note:	Question 1 is compulsory		
	Attempt any four from question number 2 to 7		
	Appropriate diagram carries marks		
	Apply HCI principles for designing the user interface for Railway res Assume suitable data and screen elements and draw user friendly inte Explain Principles of User Interface Design. Write Design characteris layout	rface	[101]
Q2. a) b)	List and Explain various windows management schemes provided by List and Explain different presentation controls.	Windows.	[8] [7]
Q3. a) b)	Explain Effective Internationalization and Accessibility for Internation Explain the different kinds of graphical menus with example.	nal consideration	on[8] [7]
Q4. a) b)	List and Compare Device and Screen-Based Control Explain Methods for Gaining and Understanding of Users		[8] [7]
Q5. a) b) l	Explain the various types of windows components and presentation sty How text messages are important to communicate with user, explain with	yle th examples.	[8] [7]
Q6. a)	List the different System Menus and explain the guidelines for selecting	g menus in brie	ef.
b) I	Describe the different ways and means to provide an effective feedback HCI application with suitable example.	while designing	[8] ng [7]
Q7 a) E b) I	Explain Characteristics of Web Interface for user friendly nature List and Design standards or Style Guides		[8] [7]
No The			