

BRAINWARE UNIVERSITY

Course-MCA

MIS & System Design (MCA103)

(Semester - 1)

Time allotted: 3 Hours Full Marks: 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group -A

(Multiple Choice Type Questions)

	(Mumple Cho	ice Type Questions)			
			$10 \times 1 = 10$		
1.	Choose the correct alternative from the following:				
(i)	Advertisement of a business in televisi	on is?			
	a. B2B	b. B2C			
	c. B2G	d. All of these			
(ii)	NICNET was introduced to set up	<u>_</u> .			
	a. Business	b. Office			
	c. e-governance	d. None of these			
(iii)	PayPal scammer sends e-mail for	_•			
	a. Business	b. Knowledge exchange			
	c. Meeting	d. Phishing			
(iv) The purpose of user interface (UI) design is to let users do the					
	a. Front end design	b. Database design			
	c. Software Design	d. App access			
(v)	To overcome the bad database design problem, one can use				
	a. Normalization	b. Test file			
	c. Word file	d. Virtual office			

(vi)	Whic	ch is not a document processing softwa	re ii	office automation?	
	a	. Microsoft word	b.	VLC media player	
	c	. Microsoft Excel	d.	None of these	
(vii)	In E-R diagram, a weak entity is represented as				
	a	. Rectangle	b.	Circle	
	c	. Double rectangle	d.	Double line	
(viii)	Supe				
	a	. True	b.	Partially true	
	c	. Partially false	d.	False	
(ix)	ISO 9	9000 is a measure of			
	a	. Quantity	b.	Person	
	c	. Hardware	d.	Quality	
(x)	In DI	FD level 0 is also known as			
	a	. Level 1	b.	Context level	
	c	. Conflict level	d.	Level 1.1	
		Group			
		(Short Answer Ty			
2.	What i	(Answer any <i>three</i> from the first MIS?	m ı	ine following)	[5]
3.	What i	is knowledge base system? What is Mi	cros	oft Outlook Express?	[3+2]
4.		do you mean by virtual office? What is		-	[3+2]
5.	What a	are the basic requirements of an organiz	zati	on to be functional?	[5]
6.		is a Transaction Processing System?			[5]
		· .			
		Group	(٦	
		(Long Answer Ty			
		(Answer any three from	-	-	
					$3 \times 15 = 45$
7.		Distinguish between Application Softwa		•	[5]
	(b) B	riefly explain the iterative Waterfall m	ode	l.	[10]
8.	(a) B	riefly explain the Pyramid model of M	IS.		[5]
	(b) E	xplain the Structured English and Struc	etur	ed Chart with suitable	
	e	xamples.			[10]

9.	(a)	What is the testing of a system?	[5]
	(b)	Draw a E-R diagram for a Banking system with possible notation	
		and mapping cardinalities.	[10]
10.		Draw a Data Flow Diagram (DFD) for a University Management	
		System. You must indicate the labels and draw at least up to Level 2	
		diagram.	[15]
11. Write short notes (Any three)		[3X5]	
(a)	Need of data communication in business.	
(b)	System audit.	
(c)	Business model of E-commerce.	
(d)	Electronic Fund Transfer (EFT)	