55/A-10] SEAT NO.\_

No. of printed pages: 2

## SARDAR PATEL UNIVERSITY

## F.Y.B.C.A. SEMESTER – II (CBCS) EXAMINATIONS – 2019 US02CBCA02: System Analysis and Design Friday, 29<sup>th</sup> March, 2019

Max. Marks: 70 Time: 10.00 AM to 1.00 PM

Q-1	Multip	le Choice Questions.			[10	
1.	The a	output		mation of input to output is called input process	·	
		. <del>-</del> 				
2.		xample of conceptual system is _				
	A. B.	philosophy solar	C. D.	water computer		
				·		
3.	To conduct a detailed feasibility study, firstly an expert committee called committee is appointed.					
	A.	None	C.	Evaluation		
	B.	Super	D.	Steering		
4.	In	maintenance errors of	or bug:	s are rectified.		
	Α.	Adaptive		Perfective		
	B.	Corrective	D.	None		
5.	Bettei	r Company Image is one of the e	xampl	e of		
	A.	,	C.	One time cost		
	В.	Recurring Cost	D.	Tangible Benefits		
6.	Data	capture does not cover				
	A.	Original Recording	C.			
	В.	Data Transmission	D.	Printing		
7.	is useful for gathering numerical data.					
	Α.	Questionnaires		Record inspection		
	B.	Interviewing	D.	Data input		
8.	Which of the following is considered as a Component of CASE?					
	A.					
	B.	Interface Generators	D.	All of above		
9.	Gene	rally context level DFD contain _		process.		
•	A.	One	C.	Three		
	B.	Two	D.	Four		
10.	The DFDs that shows "What is going on" is known asDFDs.					
	A.	Physical	C.	Physiological		
	В.	Logical	D.	None		
			•	^	CATA	
				,	P.T.O.)	
			1 1			

Q-2 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11.	Attempt any ten. Draw general model of system. List out the characteristics of system. Differentiate between System analysis and System design. List any two Tangible benefits. List any two sub activities of System Survey. Explain need for SSADM in brief. Write four objectives of output. Define: Data Collection, Data Entry List categories of Field Check. Differentiate between Physical DFD and Logical DFD. List advantages of CASE Tools. List types of flowcharts.	[20]						
Q-3 (A) (B)	Explain the steps of System Analysis in brief. Explain Open and Closed System with suitable example.	[6] [4]						
	<u>OR</u>							
Q-3 (A) (B)	Explain the role of System Analyst. Explain the term 'Feedback Control'.	[6] [4]						
Q-4 (A) (B)	Explain Structured Analysis in brief. List and explain any 4 advantages of SSADM.	[6] [4]						
	<u>OR</u>							
Q-4 (A) (B)	Explain structured design in brief. Explain Documentation component of system implementation.	[6] [4]						
Q-5	List and explain fact finding techniques in detail.	[10]						
	<u>OR</u>							
Q-5	What is Data Capture? Explain objectives of data capture. List and explain basic steps of data capture.	[10]						
Q-6 (A) (B)	List and explain CASE components in detail.  Draw the context and 0 <sup>th</sup> level DFD for Library System.	[6] [4]						
<u>OR</u>								
Q-6 (A)	Define DFD. Draw and explain the symbols used in DFD. Also explain the rules to draw DFD.	[6]						
(B)	Explain any 2 limitations of CASE tools.	[4]						

