T-E- (onp II C.B.G.S. C.B.G.S. SA OOAD 25

0400 A2

QP Code: 3328

## (3 Hours)

[Total Marks: 80

	/11	Question no 1 is co	compulsory.	
N.B.	(1)	Question no. 1 is co	from the	

remaining. (2) Attempt any three fro

			· · · · · · · · · · · · · · · · · · ·	
			Describe why a system needs to be analyzed and what are the roles of a system	10
	1.	(a)	Describe why a system of analyst?  analyst?  Discuss the various steps involved in object oriented system design with appropriate	10 ,
		(b)		
			diagrams.  Process Re-engineering and its activities	10
	2.	(a)	Write a short note on: Business Process Re-engineering and its activities. What do you mean by SDLC? Describe the different phases of SDLC?	10
		(b)	Draw use case diagram for course registration system and write the use case	10
	3.	(a)	Draw use case diagram of the cases specification for any two use cases specification for any two use cases white a system proposal to keep track of inventory in manufacturing unit.	10
		(b)	Write a system prof	10
	4.	(a)	Draw the DFD for order entry system (up to 2 levels) and describe the procedure	
	4.		for its validation. for login procedure to a system. Include all possible	, 10
		(b)	scenarios and draw its activity drags	
			ment system is denloyed in a client server	10
	5.	(a)	Assume that the library management system is deproyed in a deproyed architecture. Explain the various components and its deployment architecture.	_
				5 5
*1		(b) (c)	Write a short note on: Traditional Approach	3
			a revention techniques	10
	6.	(a) (b)	What are fraud risks and state its prevention techniques  Explain the activities done during feasibility analysis. Give the structure of	10
		(0)	feasibility report.	

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**QP Code: 3323** 

(3 Hours)

Total marks: 80

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Q 4:

- Question No. 1 is compulsory. Attempt any Three questions out of remaining questions.
- Make suitable assumptions whenever necessary.

[4X5] a) What are the design issues for the Layers? 01: b) Differentiate between Aloha and Slotted Aloha. c) Explain in short different framing Methods. d) How does the Token Bucket Algorithm works? e) Why does the data link protocol always put the CRC in a trailer rather than in a header? [10] Q 2:

a) Explain Sliding window Protocol using Go Back-N technique. b) Describe the OSI Referance Model with a neat diagram. [10]

a) What is the function of IP Protocol? Discuss its header format. [10] Q 3: b) Discuss the quality of service parameters in computer network. [10]

a) What is count to infinity problem in distance vector routing? Discuss in detail . [10]

[10] b) Explain three way handshake to chnique in TCP.

Q 5: a) Explain the need for DNS and describe the protocol functioning. [10] b) Explain Explain CSN/A Protocols. Explain how collisions are handled in [10] CSMA/CD.

[5X4] Q 6: Write short notes on the following.

- a) Functions of Session Layer.
- b) Address Resolution Protocol (ARP).
- c) Berkeley Socket
- d) Differentiate between OSPF and BGP.

JP-Con. 10338-15.

## QP Code: 3321

Max Marks 80

Time 3	hrs	
I line	1. Q. 1 is compulsory  1. Q. 1 is compulsory answer any 3 questions.	
Notes.	2. From remaining and	
	From remaining and     The second secon	086 5
	and explain timing of the	£
Q.1	ing modes of 6235	
	a made of fellower	5
	truction issue algoritation	5
	abanism used in object	10
Q.2	a language program for cook	ters. 10
	B) Write assembly language P  A) Design 8086 microprocessor based system with following specification  A) Design 8086 microprocessor based system with following specification	10
Q.3	A) Design 8086 interopro-     a) Microprocessor 8086 working at 8 MHz in maximum mode	
	b) 32 KB EPROM using 16 KB chips	
	c) 16 KB SRAM using 8 KB chips	
	Explain the design along with memory address map.	
	B) Explain branch prediction logic used in Pentium.	10
Q. 4		05
	A) ii. Explain Interfacing of 8259 with 8086 in minimum mode.	05
	B) Differentiate between real mode and protected mode.	10
Q. 5	A) Compare 8086, 80386 and Pentium.	10
	B) Draw architecture of Super SPARC processor and explain in short.	10
Q. 6	Write note on rany 4.	20
	a) Data cache organization of Pentium.	
	b) State use of control flags of 8086	
	c) Data types supported by SPARC processor	
	d) Advantages of memory segmentation in 8086.	
	e) Mode 1 of 8255 for input operation	

JP-Con. 9629-15.

Courned by Carricoarnici

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