BEL COMP VIII (Rev) 24/5/2012 Advunced Internet Technology (REVISED COURSE) GN-7574

AGJ 1st half (i) 72 Con. 3982-12. (3 Hours) [Total Marks: 100 N.B.: (1) Question No. 1 is compulsory. (2) Attempt any four questions out of the remaining six questions. (a) Explain REST architecture and give its design constraints. 10 (b) Explain the working of File Transfer Protocol (FTP) with suitable diagrams. 10 2. (a) Compare SOA and ROA. (Service Oriented Architecture and Resource Oriented 10 Architecture). (b) Discuss various security issues in cloud. 10 (a) What is RSS? Explain its advantages. 10 Describe IPV (Internet Protocol Version 6) and state its differences over IPV, 10 4. (a) Disucss "Cloud Computing". What are the different types of cloud services? Explain. (b) Explain the working of Search Engine.

10 10

5. (a) Discuss the working of DHCP (Dynamic Host Configuration Protocol) and give its 10 Packet Format. (b) Describe various client and server side Vulnerabilities. 10

(a) Explain SOA with its life cycle. 10

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(b) Describe various deployment techniques in cloud computing.

(a) Public Key Infrastructure (PKI) (b) Google Apps Engine (c) VOIP

7. Write short notes on -

(d) HTML 5.0.

(REVISED COURSE)

		(3 Hours) [Total Marks:	100
N.	(2	1) Question No. 1 is compulsory. 2) Solve any four questions from the remaining six questions. 3) Assume suitable data wherever required.	
1.	(a) (b) (c) (d)	What is Multimedia animation? Explain elements of multimedia systems. Compare MPEG with H.264. Explain effective HCI.	5 5 5 5
2.	(a)	Describe the algorithms for the CCITT group 3 standards. How does CCITT Group 4 differs from CCITT Group 3?	10
	(b)	Explain in brief various parts and the set of visual descriptors in MPEG-7.	10
3.	(a)	Explain RIFF and write the pseudo code for the file extension WAV, RMI, RDI, PAL for RIFF file format.	10
	(b)	Explain JPEG Methodology. Compare it with JPEG 2000.	10
4.	(a)	Explain MIDI Devices. Distinguish between channel messages and system messages giving example.	10
	(b)	Explain multimedia system architecture.	10
5.	(a) (b)	Explain ADPCM in speech coding scheme. Write short note on Copyright and methods of licensing for multimedia.	10 10
6.	(a) (b)	Explain Multimedia authoring system design issues and its types. List and explain the factors consider designing multimedia systems which provide virtual reality functionality.	10 10
7.	Wri	te short notes on :— (a) Distributed Multimedia Systems (b) Storage Requirements.	10 10

BE (Comp) VIII (REV.) 2915/2012 D. C. Comp Sem VIII (REVISED COURSE) GN-8270 QN-8270

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Con. 4452-12.			(REVISED COURS	SE) GN	-827 0	
			(3 Hours)	[Total Mar	ks : 100	
N.B.	(1) (2) (3) (4)	All questions ca	is compulsory. Ir questions, out of re arry equal marks. ram wherever requir		ions.	
,	, ,		emputing systems mo ures of a good distrib	_		10 10
•	,	•	t Mutual Exclusion A ng in message passi			10 10
			designing Load-bala on protocols for RPC.		10	
			ervers and Stateless communication.	file servers and	its advantage	s. 10 10
) Expl	ain the different d	m oriented names ar istributed physical cl antages and disadva	ock synchroniza		.10 s
,	,		stency models in DSi entation mechanism.	√1.		10 10
(a (b (c (d	a) Thra: b) Toke c) DCO l) File -	n ring algorithm		٠		20

(f) Naming and security

20 : 1st half-12-(j)JP

Con. 3983-12.

BE (COMP (VIII) (RED 24/5/2012 Human Computing Interaction (REVISED COURSE) GN-7572

(3 Hours) [Total Marks: 100 N.B. (1) Question No. 1 is compulsory. (2) Attempt any four questions out of remaining. (3) Figures to the right indicate full marks. (4) Assume suitable data wherever required and justify the same. (a) Explain principles of user interface. 5 (b) Explain various types of statistical graphics in brief. 5 (c) Explain influence on icon usability. 5 (d) Explain various types of messages 5 2. (a) Explain the difference between proper menu design and poor menu design with 10 diagrams. (b) Explain following techniques in determining requirements. Categorize them as 10 direct or indirect method. (i) Electronic survey (ii) Card sorting (iii) Facilitated Team Workshop (iv) Trade Show. 3. (a) Explain various New and Navigation schemes selection of window with example. 10 (b) What are mental models and why are they important in interface design? 10 (a) Explain various Colar models. Explain various considerations for choosing 10 4. background and foreground color for web page. (b) Explain proper device based and screen based controls. 10 (a) What are Pointing devices? What tasks and explain about direct control pointing 10 devices. (b) What are human considerations in sources design? Also explain organizing 10 screen elements, ordering of screen data and contents. 6. (a) Explain various interface building tools. 10 (b) Differentiate between Graphical User interface and Web Page design. 10 7. Write short notes on :— (Any two) 20 (a) Speech recognition digitization and generation (b) Designing for visually impaired (c) Software tools and specification methods

(d) Designing process to understand business junctions.

VT-F.H.Exam. April.-12-125

BEI CMPNIVIII (Rev) 1515/2012 Software Architecture GN-7418

Con. 3634-12.

(REVISED COURSE)

		(3 Hours) [Total Marks: 10	0
N.B	(2	Ouestion No. 1 is compulsory. Solve any four questions from remaining. Assume suitable data wherever necessary.	
1.	Man cons		0
2.	(a) (b)	Explain with a suitable example the event type connector and its variation 1 dimensions.	10
3.	(a) (b)	example ?	0
4.	(a) (b)	(i) Efficiency and Complexity (ii) Scalability and Hetrogeneity.	10
5.	(a) (b)	(ATAM).	10
6.	(a) (b)	Southern Comment of the Comment of t	0
7.	(a (b	Decentralized Architectures	20