SEAT No.:

P1	018	}	[5319]-40 S.Y.B.C. SCIENC	A.	[Total No. of Page	es:3	
			BCA-407: Grid and C		nputing		
			(2016 Pattern) (Se	emester-l	IV)		
		[ours]			[Max. Mark	is :50	
Inst	ructio 1)		the candidates: ion No-1 (A and B) is compulsory.				
	2) 3)	Solve	any two questions from group-I are to the right indicate full marks.	-	uestions from group-II.		
Q 1)	A)	A) Answer the following.					
	a) _	a) is an example of Internet computing.					
		i)	Genome @ Home	ii)	SETI @ Home		
		iii)	ECCP-109	iv)	All of these		
	b)		e goal to virtualize the resourc systems will create new re distributed infrastructure.				
		i)	heterogenuous	ii)	homogeneous		
		iii)	hybrid	iv)	none		
	c)	c) Google App Engine is an example of					
		i)	SaaS	ii)	PasS		
		iii)	IaaS	iv)	none of these		
	d)		is Type 1 Hyperv	iser.			
		i)	Wind River Simics	ii)	Vertical server 2005 I	\mathcal{R}_2	
		iii)	KVM	iv)	Lynx Secure		
	e)						
		i)	Simple online Access protoc	ol			
		ii)	State object Access protocol				
		iii)	Simple object Access protoc	ol			
		iv)	Static object Access protoco	1			
			_		I	? <i>T.O.</i>	

Total No. of Questions :7]

	B)	Answer in short.	[5]		
	i)	List the application areas of grid computing.			
	ii)	What is abstraction.			
	iii)	Define hyperviser.			
	iv)	List the areas where Internet Computing is used.			
	v)	What is data grid.			
		Group-I			
Q2)	Attempt the following:				
	a)	Explain in brief the centralised model of P2P	[4]		
	b)	Explain general structure of cloud (components of cloud).	[4]		
	c)	State the need of grid.	[2]		
Q3)	Atte	mpt the following.			
	a)	What is hybrid cloud. Explain with example.	[4]		
	b)	State the advantages of high performance computing.	[4]		
	c)	What is emulation.	[2]		
Q4)	Atte	Attempt the following.			
	a)	Write short note on compute grids.	[4]		
	b)	Explain IaaS service model of cloud computing Give examples.	[4]		
	c)	What is software virtualization.	[2]		
		Group-II			
Q5)	Atte	empt the following.			
	a)	Write short note on reliability.	[4]		
	b)	With the help of diagram explain grid computing architechture mode brief.	el in [4]		
	c)	List essential characteristics of cloud computing	[2]		
[531	9]-4	005 2			

Q6) Attempt the following:

a)	Compare of	cluster and	grid	computing.		[4]
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- b) Explain benefits of cloud computing in brief. [4]
- c) What are the goals of load balancing. [2]

Q7) Attempt the following:

- a) State the advantages and disadvantages of cluster computing. [4]
- b) Explain community cloud. [4]
- c) Explain in short case study sales force-com as SaaS. [2]

