Vame:				Roll no.:
			B. Tech. (IC	CT): Semester VII
				loud Computing'
		End		(Marks: 20, Weight: 20%)
		5	September 26, 20	19, Duration: One hour
nstructions				
Write all y	our answe	ers on thes	e papers only and	you should return question paper at the end of your e
Some ques	tions have	multiple	correct answers an	nd you must provide all correct answers.
Marks will All acrony				I not for partially correct answers.
			se and not vague	
Answers	Q-I	Q-II	Total Marks	BEAR SERVICE TO THE SERVICE SERVICE TO THE SERVICE SER
	[10]	[10]	[20]	
Correct				
Marks scored				
a) locating serve) forwarding a	PC, the stulver	b takes care	e of (b) for	matting the data appropriately cedure invoked by the client
. In case of RP a) locating serve c) forwarding a d) all of the ab	PC, the stulver	b takes care	e of (b) for	matting the data appropriately
a) locating serve) forwarding and all of the above	PC, the stulver a response ove	b takes care	e of (b) for parameter of the pro	matting the data appropriately
a) locating serve) forwarding and all of the about. Which of the (a) Middle:	PC, the stulver a response ove following ware offer	b takes care as return p	(b) for parameter of the property are true?	matting the data appropriately
a) locating serve) forwarding and all of the above. Which of the (a) Middle applications.	PC, the stull ver a response ove following ware offer tion.	s as return p	(b) for parameter of the properties are true?	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed
a) locating serve; forwarding and all of the about the control of	PC, the stult ver a response ove following ware offer tion. atic and dychronous I	s as return p g statements rs programr ynamic type RPC, the st	(b) for parameter of the properties are true? ming abstraction that e of binding can be	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed
a) locating serve) forwarding and all of the about the control of	PC, the stult ver a response ove following ware offer tion. atic and dychronous I	s as return p g statements rs programr ynamic type RPC, the st	(b) for parameter of the properties are true? ming abstraction that e of binding can be	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC
a) locating serve c) forwarding a d) all of the above Which of the (a) Middle applicat (b) Both sta (c) In async (d) None of	PC, the stud ver a response ove following ware offer tion. atic and dy chronous I	e as return posts statements by statements b	(b) for parameter of the properties are true? ming abstraction that e of binding can be trub has two entry possible.	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure.
a) locating serve) forwarding and all of the about the work of the (a) Middle application (b) Both state (c) In asynciation (d) None of the control of the c	PC, the studyer a response ove following ware offer tion. atic and dy chronous of the above the default	statements programmer synamic type RPC, the stee	(b) for parameter of the proparameter of the proparameter of the proparameter of the propagation that is a safe true? The of binding can be trub has two entry possible to be trub has two entry possible trub has two entry poss	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure.
a) locating serve) forwarding and all of the about the about the about the about the application (b) Both state (c) In asynce (d) None of the about the application (e) In asynce (d) None of the about the application (e) In asynce (d) None of the about the about the application (e) In asynce (d) None of the about th	PC, the stult ver a response ove following ware offer tion. atic and dy chronous I f the above the default eader file of the stult eader file of the s	statements by st	(b) for parameter of the proparameter of the proparameter of the proparameter of the propagation of the state of binding can be tub has two entry possible of progen? (Select all ins common to the second	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure. the answers applicable) erver and the client
a) locating serve) forwarding and all of the about the about the about the applicant (b) Both state (c) In asynce (d) None of the A. A head B. A server and all of the about the applicant (b) Both state (c) In asynce (d) None of the about the abou	PC, the stull ver a response ove following ware offer tion. atic and dy chronous I f the above the default eader file out of XDR is	statements synamic type RPC, the stee	(b) for parameter of the proparameter of the proparameter of the proparameter of the propagation that is a set true? Tripogen? (Select all ins common to the seat translate each data.)	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure.
a) locating serve) forwarding and all of the about the about the all of the about the applicant (a) Middle applicant (b) Both state (c) In asynce (d) None of the A. A he B. A see C. A state	PC, the stult ver a response ove following ware offer tion. atic and dy chronous I f the above the default eader file out of XDR to the program	statements synamic type RPC, the stee	(b) for parameter of the proparameter of the proparameter of the proparameter of the propagation that is a series of binding can be sub-has two entry possible of the propagation of the server (Select all propagation) and the server (b) for propagation of the propagation of the server (b) for propagation of the propa	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure. the answers applicable) erver and the client
a) locating serve) forwarding and all of the about the about the all of the about the applicant (b) Both state (c) In asynce (d) None of the about the applicant (e) In asynce (f) and the about the applicant (f) and the a	PC, the stult ver a response ove following ware offer tion. atic and dy chronous I f the above the default eader file out of XDR to the program to the progr	statements synamic type RPC, the stee	(b) for parameter of the proparameter of the proparameter of the proparameter of the propagation that is a series of binding can be sub-has two entry possible of the propagation of the server (Select all propagation) and the server (b) for propagation of the propagation of the server (b) for propagation of the propa	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure. the answers applicable) erver and the client
a) locating serve) forwarding and all of the about the about the about the applicant (b) Both state (c) In asynce (d) None of the A. A head B. A see C. A state D. A state and a serve the about the about the applicant (b) Both state (c) In asynce (d) None of the about the abou	PC, the stult ver a response ove following ware offer tion. atic and dy chronous I f the above the default eader file out of XDR to the program	statements synamic type RPC, the stee	(b) for parameter of the proparameter of the proparameter of the proparameter of the propagation that is a series of binding can be sub-has two entry possible of the propagation of the server (Select all propagation) and the server (b) for propagation of the propagation of the server (b) for propagation of the propa	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure. the answers applicable) erver and the client
a) locating serve c) forwarding a d) all of the above Which of the (a) Middle applicat (b) Both sta (c) In async (d) None o What will be A. A he B. A se C. A sta D. A sta	PC, the stult ver a response ove following ware offer tion. atic and dy chronous I f the above the default eader file out of XDR to the program to the progr	statements synamic type RPC, the stee	(b) for parameter of the proparameter of the proparameter of the proparameter of the propagation that is a series of binding can be sub-has two entry possible of the propagation of the server (Select all propagation) and the server (b) for propagation of the propagation of the server (b) for propagation of the propa	matting the data appropriately cedure invoked by the client at hides some of the complexities of building a distributed done in RPC bints to invoke the procedure. the answers applicable) erver and the client

D 10 1 D10	intercepts on which port?	
By default, RMI reg	gistry runs on which port?	
HTTP is Connection Less Stateless	B. Connection Based C. Stateful E. Secure	
Basic XML can be	e described as:	
	ucture of tagged elements, attributes and text.	
A hierarchical sur	and a set of new XMI only tags.	
	gs plus a set of new XML only tags.	
	structure of rows and columns.	
	ctions (PIs) for text data.	
. Textual data with	tags for visual presentation.	
so proposes to cha	ange the XMI, data model by replacing some autionies with elements, and wing	III CALLED
alues. Which of the The XML parsers. The XSL proces. The XSL templa of the Application.	ange the XML data model by replacing some attributes with elements, allowing the following statements regarding the changing of an attribute to an element are reported that parses the XML documents has to be rewritten. Sor that parses the product information has to be rewritten. It that processes the product information has to be modified. It that generates the XML conforming to the XML data model has to be modified.	iruo.
alues. Which of the The XML parser The XSL proces The XSL templa The application The application What will happe	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modified. The when following XML document will be opened in a web browser?	iruo.
alues. Which of the The XML parsers. The XSL proces. The XSL templa of the Application. The application. What will happe of the example of th	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. the that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser?	iruo.
alues. Which of the The XML parsers. The XSL proces. The XSL templa of the Application. The application of t	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L Document>	iruo.
alues. Which of the The XML parsers. The XSL proces. The XSL templa of the application. The application of t	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L Document>	iruo.
alues. Which of the The XML parser of the XSL proces. The XSL templar of the ASL templar of the ASL templar of the ASL templar of the ASL templar of the ASSL templar	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L Document>	iruo.
alues. Which of the A. The XML parsers. The XSL proces. The XSL templa. The application	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L Document>	iruo.
alues. Which of the The XML parsers. The XSL proces. The XSL templa of the Application. The application of t	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L Document>	lified.
alues. Which of the The XML parser. The XSL proces. The XSL template. The application of	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. the that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L. Document> message> cations require support of essential system level programming functions or facilities to	dified.
alues. Which of the The XML parser. The XSL proces. The XSL template. The application of	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. the that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L. Document> message> cations require support of essential system level programming functions or facilities to	dified.
alues. Which of the The XML parser. The XSL proces. The XSL templa. The application O. What will happed a Variable of the Ysl templa and such are har and such	re following statements regarding the changing of an attribute to an element are rethat parses the XML documents has to be rewritten. sor that parses the product information has to be modified. It that processes the product information has to be modified. It to that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? I. 0"?> I. Document> message> cations require support of essential system level programming functions or facilities to andled by Application Server. List down any four.	dified.
alues. Which of the The XML parsers. The XSL proces. The XSL templa in the application. The application of t	that parses the XML documents has to be rewritten. sor that parses the product information has to be rewritten. the that processes the product information has to be modified. logic that generates the XML conforming to the XML data model has to be modern when following XML document will be opened in a web browser? 1.0"?> L. Document> message> cations require support of essential system level programming functions or facilities to	dified.

a) It is loosely coupled,	(b) It is protocol independent,
c) It is standards-based,	(d) all of above
Web Services standards and spe	cifications stack provides a list of various specifications to be used by the
levelopers while developing Web S	
5. Services to support Database Ma a) Software as a Service (SaaS)	anagement System in any cloud based system should be part of (b) Platform as a Service (PaaS)
c) Infrastructure as a Service (IaaS	
6. Which type of virtualization nee	eds to modify the guest operating systems?
	he statement – "Linux based Clusters are good".
A. Low initial implementation B. Free Software: Linux, GN	
C. Scalability: can grow and	shrink
D. Familiar technology, easy E. All of above	for user to adopt the approach, use and maintain system
	I programming paradigm to develop software code for cluster computing?
A. Shared memory model: I B. Message passing model: I	Thread, OpenMP and Intel Threads MPI and PVM
C. Data parallel model: HPF	
D. All of above	
9. What does para-virtualization pr	rovide for substantial OS modifications in user applications?
	powing to make the sit his local statement and the second statement will be second statement and the second statement with the second statement will be second statement and second statement with the second statement will be second statement and second statement with the second statement will be second statement and second statement with the second statement will be second statement and second statement with the second statement will be second statement with the
0. In Grid Computing, a set of indi	viduals and/or institutions defined by sharing rules form are called
Which service in Grid Computing	ng provides information about the available resources within the grid and the
urrent status.	STERRED TO SOME MAKE A STERRED TO SOME STERRED
2 Platform as a Sarvina (DagS) alla	ows developers not to worry about software installation and cloud infrastru
	oplication development. Which computing platforms are typically provided

School of Engineering and Applied Science (SEAS), Ahmedabad University

.2 Write precise and brief answers for the following	[10]
List three types of instructions which any hardware architecture will have.	
	Constitution Constitution
. O. Ven Architecture?	
What is the specific role of 'Domain 0' in Xen Architecture?	
	Participal and said
What is the "equivalence" property of a virtual machine monitor?	
what is the equivalence property of a virtual manner.	
"If it's in the cloud, get it on paper" is a famous saying for cloud computing s	
purpose of a service level agreement in cloud computing? What are its imporparameters/ingredients?	
. Define the term 'Web Services' precisely. Explain the difference between St	ateless Web Service
Invocation and Stateful Web Service Invocation.	
Answer:	
. What are the basic building blocks for REST?	

School of Engineering and Applied Science (SEAS), Ahmedabad University

	available for Memory				
	11 Va	n?			
nich three Tiers of scheo	iulers are used by Ac	11:			
			. sv96 can be	virualized? Which	two tech
/hy x86 architecture is r	ot fully virtualizable	? Which instruct	tions of X80 can be	VII datie	
be used to virtualize?					
be used to virtualize.					
	3				
		. (CAAS)	must offer?		
. Which core functional	ities Software As A S	ervice (SAAS)	illust offer.		
			W. CO.O. VV. ite	asah briefly	
1. Which are the main d	isadvantages of Platfo	orm As A Service	ce (PAAS)? Write	each offers.	
1. Which are the main o	1544, 444, 5				