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Future Vision

By K B Hemanth Raj

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Series (See See See See See See See See See Se			
	USN	TUT	15CS742
- //	9/	The state of the s	Dec 2019/Jan 2020
	Z Z	THE REAL PROPERTY.	Seventh Semester B.E. Degree Examination, Dec.2019/Jan.2020
//	1 *	CA	Cloud Computing and its Applications
	Tir	ne: 3	Max. Marks: 80
	, in	_	
હું		N	ote: Answer any FIVE full questions, choosing ONE full question from each module.
g blank pages. = 50, will be treated as malpractice.			Module-1
nalpr	1	a.	Describe the main characteristics and benefits of cloud computing. (04 Marks)
28.11		b.	With neat diagram, explain the cloud computing reference model. (06 Marks)
ated		c.	Explain the technologies on which cloud computing relies. (06 Marks)
es. Se tre			OR
pag vill l	2	a.	Discuss classification of taxonomy of virtualization at different levels. (08 Marks)
slank 50, v		b.	Explain the architecture of Hyper-V and discuss its use in cloud computing. (08 Marks)
ing b			Nu distance
main 3, 42-	3	2	Module-2 Classify and explain the various types of clouds. (08 Marks)
e re	3	a. b.	Describe the fundamental features of the economic and business model behind cloud
On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. Any revealing of identification, appeal to evaluator and /or equations written eg, $42+8=50$, will be			computing: (08 Marks)
ines ons v			OR
oss l quati	4	a.	Explain the three types of services that are hosted inside the Aneka container. (08 Marks)
al cr or ec		b.	Describe the features of the Aneka management tools in terms of infrastructure, platform
agon and /			and applications. (08 Marks)
w di			Module-3
dra valu	5	2	Describe the two major techniques used for parallel computing with threads. (08 Marks)
orily to e	3	a. b.	Explain the major differences between Aneka threads and local threads. (08 Marks)
npuls		9	
, con			Use and avalain namular frameworks for task computing. (08 Marks)
wers	6	a. b.	List and explain popular frameworks for task computing. (08 Marks) Explain the features provided by Aneka for the execution of parameter sweep applications.
ans	70	U.	(08 Marks)
your of ide		1	B/I o dulo 4
ting o	7	0	What is data-intensive computing? Explain the open challenges in data-intensive computing.
mple	,	a.	(08 Marks)
ny re		b.	Explain IBM General Parallel File system (GPFS), Google File System (GFS), and Amazon Simple Storage Service (S3) (08 Marks)
1. 0 2. A			Simple Storage Service (S3). (08 Marks)
Important Note: 1. On completing your answers, con 2. Any revealing of identification, at			OR ·
Ž	8	a.	Explain the major components of the Aneka Map-reduce programming model. (08 Marks)
oorta		b.	Describe the architecture of the data storage layer designed for Aneka-Map-Reduce and I/O APIs for handling Map-Reduce files. (08 Marks)
lmI			APIs for handling Map-Reduce files. (08 Marks)

1 of 2

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Module-5

Explain Amazon S3 key concepts.

(08 Marks)

Describe the core components of Google AppEngine

(08 Marks)

Describe how cloud computing technology can be applied to support remote ECG 10 (08 Marks) monitoring.

Describe three examples of CRM and BRP implementations based on cloud computing (08 Marks) technologies.

 $2 \ of \ 2$