

V Semester B.C.A. Degree Examination, February/March 2024 (NEP Scheme) (Freshers) COMPUTER APPLICATIONS Cloud Computing

Time: 2½ Hours Max. Marks: 60

Instruction: Answer all the Sections.

SECTION - A

I. Answer any 6 questions. Each question carries 2 marks.

 $(6 \times 2 = 12)$

- 1) What are the advantages of cloud computing?
- 2) What is Community Cloud and Hybrid Cloud?
- 3) What is the role of virtualization in cloud computing?
- 4) List any two virtualization tools available.
- 5) What features are provided by the Aneka management tools?
- 6) What is AWS? List the 3 types of storage in AWS.
- 7) What is the function of web role in Microsoft Azure ?
- 8) What is salesforce.com?
- 9) Mention different cloud service provider.

SECTION - B

II. Answer any 4 questions. Each question carries 6 marks.

 $(4 \times 6 = 24)$

- 10) What are the challenges in Cloud Computing?
- 11) Explain the characteristics of PaaS solutions.
- 12) What are the main components of AWS?
- Discuss the application of cloud computing in Business and Consumer Applications.
- 14) Write a note on Aneka application and service model.
- 15) Differentiate full virtualization and para-virtualization.



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Ш	. An	nswer any 3 questions. Each question carries 8 marks. (3×8=24))
	16)	a) What is virtualization? Explain in detail the pros and cons of virtualization.	5
		b) Explain different components of distributed computing.	3
	17)	Explain Infrastructure-as-a-service reference model in detail.	
	18)	Explain Microsoft Hyper-V architecture.	
	19)	What is programming model? Discuss the programming models supported by Aneka.	
	20)	Discuss the different services offered by Microsoft Azure.	
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