Code No.: R22DS621PE

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CMR ENGINEERING COLLEGE: : HYDERABAD
UGC AUTONOMOUS
III–B.TECH–II–Semester End Examinations (Supply) - December- 2025
CLOUD COMPUTING
(CSD)

[Time: 3 Hours] **[Max. Marks: 60]**

Note: This question paper contains two parts A and B.
Part A is compulsory which carries 10 marks. Answer all questions in Part A.
Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.

PART-A **(10 Marks)**

1.	a)	Where do we use high performance computing?	[1M]
	b)	Define nanocomputing.	[1M]
	c)	State the motivation for cloud computing.	[1M]
	d)	Is it true that all essential characteristic features of the cloud are necessary to completely describe it?	[1M]
	e)	List out the layers of cloud architecture.	[1M]
	f)	Mention the two parts of cloud management.	[1M]
	g)	Label the basic cloud service models.	[1M]
	h)	What are the situations where PaaS may not be the best option?	[1M]]
	i)	Which company provides the knowledge as a service?	[1M]
	j)	What are the main features of SAP HANA cloud platform?	[1M]

PART-B **(50 Marks)**

2.	Elaborate on the purpose of distributed computing and mobile computing.	[10M]
	OR	
3.	Assess the functionality of parallel computing and grid computing.	[10M]
4.	Outline and discuss the features of various cloud deployment models.	[10M]
	OR	
5.	Provide a real-life example to demonstrate the concepts behind cloud computing.	[10M]
6.	Analyze the mechanism for implementation of the network connectivity in cloud computing.	[10M]
	OR	
7.	Why is cloud migration required? Elucidate the phases of cloud migration.	[10M]
8.	Explain the characteristics of IaaS and summarize the pros and cons of IaaS.	[10M]
	OR	
9.	Interpret the services provided by SaaS providers and Suitability of SaaS.	[10M]
10.	Label and describe the architecture of the IBM SmartCloud.	[10M]
	OR	
11.	Examine the role of Amazon Web Services in making up a cloud computing platform.	[10M]

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