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**Question Paper Code: U2302**

M.E. DEGREE EXAMINATION, MAY 2024

Second Semester

Computer Science and Engineering

21PCS202 – CLOUD COMPUTING TECHNOLOGIES

(Regulations 2021)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 20 = 100 Marks)

1. (a) Identify two cloud providers by company name in each service category. Briefly explain each of the cloud computing services models. CO2-App (20)  

Or

(b) There are various companies that are offering different applications and services. How the services/applications help a user for business? Explain the economical and operational benefits. CO2-App (20)
  
2. (a) Highlight the key points and identify the distinctions in different approaches of virtualization levels. Discuss their relative advantages, shortcomings and limitations. Identify the example systems implemented at each level CO4- Ana (20)  

Or

(b) Summarize the enabling technologies for building the cloud platforms from virtualized and automated data centers to provide services. Identify hardware, software, and networking mechanisms or business models that enable multitenant services CO4- Ana (20)

3. (a) Apply the baseline of the Various standards and specifications of IAM. CO3-App (20)
- Or
- (b) Recommend a model to provide resource management among multiple cloud providers CO3-App (20)
4. (a) The Manager wants to report the daily work progress of their workers to the management, so he creates the google document. That application is delivered to the workers; over the internet to a web browser running on any computing devices (PC, virtual Desktop, Mobile) .It is important to secure the endpoints from which the cloud is accessed apply VPC security management functions to secure the application. CO4- Ana (20)
- Or
- (b) The person buy the Air cooler from the store they offers some services. The important service is “available the customer “at least 99.9% of the time in any calendar month, If does not meet, the customer will eligible to receive money 100/hr from the company. Use the availability management strategies to meet the cloud security services. CO4- Ana (20)
5. (a) How to set up a private cloud for an academic university using any one of the cloud environments? CO3-App (20)
- Or
- (b) Evaluate the external audit approaches for ticket reservation systems. CO3-App (20)