

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - V Computer Science & Business Systems : WINTER: 2025
SUBJECT: CLOUD, MICRO SERVICES & APPLICATION

Day : Tuesday
Date : 16/12/2025

W-24173-2025

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat diagrams **WHEREVER** necessary.

- Q.1 Explain cloud service components and their role in cloud computing. (10)
OR
Q.1 Discuss applications of cloud computing and public cloud platform usage. (10)
- Q.2 Explain guiding principles of cloud computing with suitable examples. (10)
OR
Q.2 Compare service types in cloud computing and discuss their advantages. (10)
- Q.3 Explain Azure Kubernetes Service and Azure SQL with applications. (10)
OR
Q.3 Explain Google Compute Engine and Google Kubernetes Engine. (10)
- Q.4 Explain cloud-native applications and cloud-native landscape. (10)
OR
Q.4 Discuss Spring Cloud features and advantages. (10)
- Q.5 Explain REST API principles and API lifecycle. (10)
OR
Q.5 Explain Spring Boot REST API example using Swagger2. (10)
- Q.6 Explain Azure Security services and features. (10)
OR
Q.6 Explain AWS and Google Cloud infrastructure security. (10)

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