

Seat No. **OCT-NOV 2025 WINTER EXAMINATION****1154 B.Tech. CBCS****Sub. Name: Cloud Computing****Sub. Code: 67542/83857/83992****Day and Date: Thursday ,18-12-2025****Total Marks: 70****Time: 02:30 PM To 05:00 PM**

- Instructions:**
- 1. All questions are compulsory**
 - 2. Draw neat labelled diagrams wherever necessary**
 - 3. Figures to the right indicate full marks**

- Q1)** Solve any 2 of the following (7 Marks Each) **[14]**
- Explain characteristics of cloud computing **[7]**
 - What are the deployment models in cloud? **[7]**
 - Differentiate between cloud computing and grid computing **[7]**
- Q2)** Solve any 2 of the following (7 Marks Each) **[14]**
- Explain open source virtualization technology **[7]**
 - Explain Platform as a Services (PaaS) **[7]**
 - Explain role of web services in cloud computing **[7]**
- Q3)** Solve any 2 of the following (7 Marks Each) **[14]**
- Explain binary translation with full virtualization **[7]**
 - Explain in brief how clouds manage large scale data processing? **[7]**
 - Explain benefits of Infrastructure as a service (IaaS) and Software as a service (SaaS) **[7]**
- Q4)** Solve any 2 of the following (7 Marks Each) **[14]**
- Explain in brief virtualization mechanism. **[7]**
 - Explain database and data stores in cloud computing **[7]**
 - Explain Service Oriented Architecture (SOA). **[7]**
- Q5)** Solve any 2 of the following (7 Marks Each) **[14]**

- a. Explain Network level and Host level cloud security. [7]
- b. Explain in brief case study of Google compute engine [7]
- c. Explain case study of Microsoft azure [7]

End Of Question Paper

Important Note for Chief Exam Officer / SRPD Coordinator / Sr Supervisor/ Student -

This Question Paper may be distributed for following Subjects as common code.

सदरची प्रश्नपत्रिका खालील विषयांकरिता वितरित करता येईल.

- 1] (1154) B.Tech. CBCS (83857) Cloud Computing Part 4 SEM 7
- 2] (101) Bachelor of Engineering (83992) Cloud Computing Part 4 SEM 7
- 3] (101) Bachelor of Engineering (67542) Distributed System Part 4 SEM 7