

RAN-2211000106010002

B.C.A. (Sem. VI) Examination February - 2026
Fundamentals of Cloud Computing (Old) (Paper - 601-2)

[Total Marks: 70

સૂચના : / Instructions

- (1) ઉપરોક્ત દશવિધ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
 Fill up strictly the above details on your answer book

Seat No.:

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Student's Signature

- Q.1. Answer in short (Any 7) [14]**
- 1 Define Cloud computing. Give 2 name of cloud service provider.
 - 2 What is emulation?
 - 3 What do you mean by “pay as you go” model?
 - 4 Define semi-structured data with one example.
 - 5 What is meant by the 5 V’s of Big Data?
 - 6 “Google Drive is a cloud service”. Justify your answer.
 - 7 What is the difference between virtual machine and physical machine?
 - 8 What is meant by hardware virtualization?
- Q-2 Answer the following question (any 2) [14]**
- A Explain cloud computing with its advantages and disadvantages. [7]
- OR**
- A Discuss SaaS. Give to difference between SaaS and IaaS [7]
- B List deployment model and explain any 2 deployment model. [7]
- Q-3 Answer the following question (any 2) [14]**
- A Explain para virtualization in detail. Give difference between full and para virtualization. [7]
- B Discuss Hypervisor. Compare Type 1 and Type 2 Hypervisor. [7]
- C Explain cloud computing architecture. [7]
- Q-4 Answer the following question (any 2) [14]**
- A Difference between OLTP and OLAP [7]
- OR**
- A Discuss cloud operations and its management [7]
- B Difference between traditional data base and Big data. [7]
- Q-5 Answer the following question (any 2) [14]**
- A Write a note on utility computing.
- B Explain the benefits of cloud computing in education.
- C What is Big Data? Explain characteristics of big data.