



RAN-2511001106040001

B.Sc. (IT) (NEP) (Sem. VI) Examination March - 2026 Fundamentals of Cloud Computing (Paper - 604)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

- Q. 1.[A]** Discuss Elasticity and Self Provisioning Resources characteristics of Cloud Computing in detail. [6]
- OR**
- (A) Evaluate the importance of Identity and Access Management Service. [6]
- (B) Explain basic data center architecture with a block diagram. [4]
- (C) Provide a brief Introduction to Cloud Computing. [3]
- Q. 2.** Attempt any THREE of the following: [12]
- (A) Discuss the Advantages and Limitations of Virtualization.
- (B) Explain the mechanism of Server Virtualization.
- (C) Compare Hard Virtualization and Soft Virtualization.
- (D) Explain the role of Virtual Machine Monitors.
- Q. 3.[A]** Answer any TWO of the following: [8]
1. Discuss Platform as a Service (PaaS) as a cloud service model.
2. Evaluate the benefits of the Public Cloud delivery model.
3. Explain the Hybrid Cloud delivery model and its distinct advantages.
- [B]** Analyze the major Issues and Challenges for Cloud Computing. [5]
- Q. 4.[A]** Answer any TWO of the following: [6]
1. Discuss: "There is no server involved in Serverless Computing".
2. Describe any one General Cloud Storage Service.
3. Outline the features of a Virtual Private Cloud.
- [B]** Discuss any one cloud based Relational Database Service in detail with required configuration parameters. [6]