

POKHARA UNIVERSITY

Fall Semester 2021

Level: Bachelor

Course: Elective – I (Cloud Computing)

Program : Software

Full Marks : 100

Pass Marks : 45

Time : 3 hrs

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

- 1 a What is Cloud Computing? What are the characteristics of Cloud Computing? 8
- b What are the risks of using Cloud Services? 7
- 2 a Why do you think Cloud Services are gaining more popularity in recent times? 7
- b Describe IAAS, SAAS, and PAAS with relevant examples. 8
- 3 a What is TCO? How would you calculate the TCO of your application? 7
- b How can startups benefit from using cloud-based servers? 8
- 4 a Differentiate between Object Storage and Block Storage Services. 8
- b How can Cloud Storage be a better option for companies with low capital? 7
- 5 a What are the benefits of using a cloud service provider-managed cloud database service? 8
- b What are the advantages and disadvantages of SQL databases and NoSQL databases. 7
- 6 a What is serverless? Describe with an example. 7
- b What are the advantages of writing a serverless application over hosting applications on a self-managed server? 8
- 7 Write short notes on (any two): 2x5
 - a Payment Models in Cloud
 - b Cloud Architecture Diagram
 - c Shared Responsibility Model