


Name:			
Enrolment No:			
UPES End Semester Examination, May 2024			
Course: Cloud Computing Architecture Semester: IV Program: B.Tech CS+CCVT (H/NH) Course Code: CSVT2007		Time : 03 hrs. Max. Marks: 100	
Instructions: a) Attempt all questions. b) Question number 9 and 10 has internal choices. Attempt any one			
SECTION A (5Qx4M=20Marks)			
S. No.		Marks	CO
Q 1	How does Platform as a Service (PaaS) affect different phases of the Software Development Life Cycle (SDLC) in terms of development efficiency and agility?	4	CO1
Q 2	For a cloud-based e-commerce platform experiencing fluctuating traffic, a load balancer is needed a) to distribute HTTP/HTTPS traffic across multiple servers ensuring performance b) Support session persistence, and enabling advanced routing based on URL paths or header values. What type of load balancer is suitable for this architecture? Support your answer with valid arguments.	4	CO2
Q 3	Match the following cases with <i>Elastic Block Storage, Elastic File Storage and S3</i> . a) Database storage b) Suitable for file storage accessed by multiple EC2 instances concurrently. c) Offers scalable object storage with high durability and availability for various data types. d) Provides file system access to multiple EC2 instances via NFS protocol. e) Backup and Archiving	4	CO2
Q 4	Define the shared security model for cloud computing and describe its fundamental principle.	4	CO3
Q 5	Define virtual machine migration and its approaches.	4	CO4
SECTION B (4Qx10M= 40 Marks)			
Q 6	Explain different types of PaaS approaches in detail with the help of suitable examples.	10	CO1

