

Reg. No. :

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Question Paper Code : 90437

B.E./B.Tech. DEGREE EXAMINATIONS, APRIL/MAY 2025

Fifth/Sixth/Seventh/Eighth Semester

Computer Science and Engineering

CCS 336 – CLOUD SERVICES MANAGEMENT

(Common to : Computer Science and Design/Computer Science and Engineering
(Artificial Intelligence and Machine Learning)/Computer Science and Engineering
(Cyber Security) / Computer and Communication Engineering / Electrical and
Electronics Engineering / Electronics and Communication Engineering / Mechanical
Engineering / Artificial Intelligence and Data Science / Computer Science and
Business Systems / Information Technology)

(Regulations 2021)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. List the essential characteristics of cloud computing.
2. Define XaaS (Anything as a Service).
3. What is demand queuing in cloud services?
4. Write down the key drivers for cloud adoption.
5. Define Cloud Portfolio Management (CPM).
6. What is meant by cloud marketplace? Give example.
7. What is CapEx vs. OpEx in the context of cloud economics?
8. Compare between pay per user and pay per reservation with an example.
9. What do you mean by IT governance?
10. Write down the relationship between strategic and operational objectives in cloud.

PART B — (5 × 13 = 65 marks)

11. (a) Discuss in detail about the various types of cloud service deployment models with suitable example.

Or

- (b) (i) Describe in detail about cloud ecosystem and its components. (7)
(ii) Exemplify in detail about the various services available to cloud consumers with examples. (6)

12. (a) (i) Explain in detail about the framework of cloud strategy management with a diagram. (7)
(ii) What do you mean by IT capacity utilization? Explain with an example. (6)

Or

- (b) (i) Explain in detail about the cloud service architecture with a diagram. (7)
(ii) Illustrate in detail about the demand and capacity matching in cloud services. (6)

13. (a) Discuss the challenges in managing legacy systems during cloud migration.

Or

- (b) Describe in detail about the building blocks of cloud service reference model with neat diagram.

14. (a) Compare and contrast various cloud service pricing models with examples.

Or

- (b) (i) Discuss about the types of cloud service charging with example scenarios. (6)
(ii) Discuss the implications of using cloud-based solutions in disaster recovery and business continuity. (7)

15. (a) (i) Illustrate in detail about cloud service risk assessment matrix and lifecycle. (7)
- (ii) Write in detail about cloud governance framework and structure. (6)

Or

- (b) (i) Outline the parameters for measuring the value of cloud services? Explain using various tools and metrics. (7)
- (ii) How to address Multi-Regional Compliance and Legal Issues in cloud governance? Explain with an example. (6)

PART C — (1 × 15 = 15 marks)

16. (a) Spotify is a digital music service that gives access to millions of songs from Google cloud. Illustrate in detail about its multi-cloud infrastructures, cost models including freemium, scalability and security.

Or

- (b) Evaluate the role of cloud governance in financial management for enterprises.
-

