

STATE BOARD OF TECHNICAL EDUCATION AND TRAINING  
TELANGANA  
DIPLOMA EXAMINATION (C-21)  
C-21-APR-2025  
SEMESTER V, SEMESTER END EXAM  
AI/CPS  
CPS-585/AI-575  
Cloud Computing



PCODE  
15038

Exam Date: 02-05-2025

Session: FN

Duration: 2 Hours [09:30 AM To 11:30 AM] 20257-AI-025

[Total Marks: 40]

PART-A

**Instructions:**

1. Answer the following questions.
2. Each question carries ONE mark.

8 X 1 = 8

1. ✓ Write any two advantages of Cloud Computing.
2. ✓ What are the types of services provided by virtualization?
3. ✓ Define Private Cloud.
4. ✓ What are the two eras of Computing?
5. ✓ Define community cloud.
6. ✓ What is Infrastructure as a Service(IaaS)?
7. ✓ Give any two business applications of cloud computing.
8. ✓ List any two applications of cloud computing.

PART-B

**Instructions:**

1. Answer the following questions.
2. Each question carries THREE marks.

4 X 3 = 12

- 9(a). What are the different types of Parallelism in Parallel Computing?

--- OR ---

- 9(b) ✓ List the components of cloud computing architecture.

- 10(a) ✓ List the benefits of Virtualization.

--- OR ---

- 10(b). Briefly explain the Media applications of cloud computing ?

- 11(a). What are the business benefits involved in Cloud Architecture

--- OR ---

- 11(b) ✓ Write any three advantages of hybrid cloud.

59 12(a) Write any three applications of cloud computing in social media. 259  
---- OR ----

12(b). How Host level security can be implemented in cloud computing?

### PART-C

**Instructions:**

1. Answer the following questions.
2. Each question carries FIVE marks.

4 X 5 = 20

59 13(a). Differentiate Parallel and Distributed Computing. 259  
---- OR ----

13(b) Explain different types of cloud deployment models.

14(a). Explain about Programming Language Level and server Virtualization.  
---- OR ----

14(b) Explain how cloud computing can benefit online gaming.

15(a). What is Public Cloud? Write its advantages and disadvantages.  
---- OR ----

15(b) Explain cloud reference model.

59 16(a) How cloud computing be used in Geo-Science? Give more information. 259  
---- OR ----

16(b). Explain how cloud computing can be used in Biological science?

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