

M.C.A. - II (Two Year Programme) (New CBCS Pattern) Semester-III  
**PMCAT305A - Elective-I Paper-V : Cloud Computing**

P. Pages : 2

Time : Three Hours



**GUG/W/24/13652**

Max. Marks : 80

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- Notes :
1. All questions are compulsory and carry equal marks.
  2. Draw neat and labelled diagram and use supporting data wherever necessary.
  3. Avoid vague answer and write specific answer related to questions.

**Either:**

1. a) What do you understand by Cloud Computing? Explain various types of clouds. 8
- b) Explain some applications of cloud computing. 8

**OR**

- c) What are the benefits and challenges of cloud computing. 8
- d) Explain in detail about usage scenarios of clouds computing. 8

**Either:**

2. a) Explain any two types of cloud services. 8
- b) Explain Benefits of cloud models in detail. 8

**OR**

- c) Write a detailed note on. 8
  - i) SaaS
  - ii) PaaS
- d) Describe about MapReduce in detail. 8

**Either:**

3. a) What are the primary component of cloud infrastructure? Explain in detail. 8
- b) What is Web Browser? Explain any three Browser in detail. 8

**OR**

- c) Explain the following term. 8
  - i) Project Management.
  - ii) Contact Management.
- d) Explain cloud storage providers in detail. 8

**Either:**

- |           |    |  |          |
|-----------|----|--|----------|
| <b>4.</b> | a) | What is virtualization? Explain need for virtualization in detail. | <b>8</b> |
|           | b) | Explain in detail about SaaS as service security.                  | <b>8</b> |

**OR**

- |           |     |   |          |
|-----------|-----|---|----------|
|           | c)  | Explain the following.                        | <b>8</b> |
|           | i)  | Standards for messaging.                      |          |
|           | ii) | Standards for security.                       |          |
|           | d)  | Explain types of virtualization in detail.    | <b>8</b> |
| <b>5.</b> |     | Solve all the questions.                      |          |
|           | a)  | Explain Regulatory issues in cloud computing. | <b>4</b> |
|           | b)  | Write short note on Google App Engine.        | <b>4</b> |
|           | c)  | Write a note on event management.             | <b>4</b> |
|           | d)  | Explain Hyper - V in short.                   | <b>4</b> |

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