

Roll No.

Total No. of Pages: 01

Total No. of Questions: 07

B.Sc.(CS) / B.Sc. AIML, Semester- 5th

CLOUD COMPUTING

Subject Code: UGCA 1936

M.Code: 94071 / 92418

Date of Examination: 01-12-2025

Time: 3 Hrs.

Max. Marks:60

INSTRUCTIONS TO CANDIDATES:

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B consists of SIX questions, carrying TEN marks each and student have to attempt any FOUR questions.

Q. No.	Question	Course Outcome	Bloom's Level
SECTION-A			
1.	Answer briefly:		
a.	Define the term "Cloud Vision".	CO1	L1
b.	Explain any two names of cloud delivery models.	CO1	L2
c.	Compare cluster computing and cloud computing.	CO2	L1
d.	Illustrate two benefits of migrating to cloud.	CO2	L2
e.	List any four characteristics of virtualization.	CO3	L1
f.	Explain the term "virtual machine".	CO3	L2
g.	What is the data tenancy in cloud storage?	CO5	L1
h.	Compare Baseline measurements and Metrics-Baseline Measurements.	CO4	L2
i.	Define the concept of system matrices.	CO4	L1
j.	Interpret the purpose of cloud auditing.	CO5	L2
SECTION-B			
2.	Identify the components and characteristics of distributed computing in details.	CO1	L3
3.	Analyze cloud migration model with its steps. Also explain the cloud generalization.	CO2	L4
4.	Explain Hypervisor Technology. Show the importance of Xen, VMware, Microsoft Hyper-V in Hypervisor Technology.	CO3	L5
5.	Explain the role of SQL Azure in cloud data management with the help of example.	CO4	L5
6.	Identify the cost model of AWS with suitable example.	CO4	L3
7.	Examine how Google App Engine (GAE) works? Describe its main features.	CO5	L4

Note: Disclosure of identity by writing mobile number or making of passing request on any paper of Answer Sheet will lead to UMC against the student.

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B.Sc. (AIML), Semester-5th
WEB MINING & RECOMMENDER SYSTEM
Subject Code: UGCA 1991
M.Code: 92417
Date of Examination: 04-12-2025

Time: 3 Hrs.

Max. Marks:60

INSTRUCTIONS TO CANDIDATES:

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B consists of SIX questions, carrying TEN marks each and student have to attempt any FOUR questions.

Q. No.	Question	Course Outcome	Bloom's Level
SECTION-A			
1.	Answer briefly:		
a.	Define clickstream analysis.	CO1	L1
b.	Give two examples of middleware-level logging sources.	CO1	L2
c.	Outline any two benefits of using heatmaps.	CO2	L1
d.	Discuss conversion rate in web analytics.	CO2	L2
e.	List two types of patterns in Web Usage Mining.	CO3	L1
f.	Explain graph representation in web usage analysis.	CO3	L2
g.	Define Backlink.	CO4	L1
h.	Compare hubs and authorities in HITS algorithm.	CO4	L2
i.	Discuss data pre-processing in web content mining.	CO5	L1
j.	Illustrate metadata in web documents.	CO5	L2
SECTION-B			
2.	Identify the role of Web Data Mining in business intelligence.	CO1	L3
3.	Analyze how clustering user sessions helps in identifying different categories of users.	CO2	L4
4.	Explain pattern identification and its applications.	CO3	L5
5.	Explain nodes ,edges, in-degree, and out-degree in a web graph with diagram.	CO4	L5
6.	Make use of PageRank and HITS for ranking web pages with diagram & examples.	CO4	L3
7.	Distinguish tokenization, stemming, and lemmatization with examples.	CO5	L4

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