

Enrollment No.....

Master of Computer Application
Fifth Semester Main Examination, December 2021
Cloud Computing [MCA503]

Time: 3:00 Hrs

Max Marks 70

Note: Answer any five questions.

All questions carry equal marks.

- Q.1 (a) Describe cloud services requirements and applications of cloud computing.
(b) Explain cloud computing reference model.
- Q.2 (a) What is cloud scalability? Explain the term "Virtual desktop infrastructure".
- Q.3 Explain what do you understand by hypervisor management software and their requirements.
- Q.4 (a) Explain the cloud information security fundamentals .
(b) Explain the cloud computing security architecture.
- Q.5 (a) Explain the major cloud features of google applications as engine
- Q.6 Write a brief notes on high availability and disaster in recovery in cloud computing.
- Q.7 Compare SAAS, LAAS, and PAAS with respect to the following factors.
i) Consumers ii) Services offered
- Q.8 Explain the terms :-
i) Confidentiality . ii) Integrity. iii) Authentication.

Master of Computer Application
Fifth Semester Main Examination, December 2021
Organizational Behavior [MCA504 II (B)]

Time: 3:00 Hrs

Max Marks 70

Note: Answer any five questions.

All questions carry equal marks.

- Q.1 What is organization behavior ? Explain levels of organizational behavior .
- Q.2 (a) Define improve all action and productivity within organizational behavior ?
- (b) How to improve equation and productivity within organizational behavior ?
- Q.3 (a) What is motivation ? How to achieve it ?
- (b) Why perception process is important for OB ? which freedom influences it ?
- Q.4 What are the various sources of stress ? How to essence these in organization ?
- Q.5 What do you mean by IOB ? How communication can be made essence JOB ?
- Q.6 Write and explain challenges and opportunities for organizational behavior.
- Q.7 Write a brief note on future of organizational behavior.
- Q.8 Write short note on following :-
- i) Relationship of culture with OB. ii) constrict management .

Master of Computer Application
Fifth Semester Main Examination, December 2021
Distributed Systems [MCA505 III (A)]

Time: 3:00 Hrs

Max Marks 70

Note: Answer any five questions.
All questions carry equal marks.

- Q.1 Discuss various methods for interposes communications explain with the help of example .
- Q.2 Explain the working of bolly algorithm for election of a coordinator
- Q.3 Explain the concepts of clock synchronization in distributed system .
- Q.4 Explain in details about sun network
i) File system.
ii) Discuss the features of CORBA.
- Q.5 How memory management is done in a distributed system ?
Expalin with the help of an example.
- Q.6 How we invoke remote objects with the help of java RMI
- Q.7 The terms loosely coupled system and tightly –coupled system of term used to describe distributed computer systems.
- Q.8 Write short notes on :-
i) Data centric consistency model.
ii) Fault tolerance in distributed systems
iii) Cryptography.

Master of Computer Application
Fifth Semester Main Examination, December 2021
Data Warehousing & Mining [MCA501]

Time: 3:00 Hrs

Max Marks 70

Note: Answer any five questions.
All questions carry equal marks.

- Q.1 (a) What is data mining ? discuss the major issues in data mining.
- Q.2 What is data warehouse ? How it is different form an operational data base ? Explain data marts .
- Q.3 Discuss 3 tier data warehouse architecture and explain ROLAP, MOLAP and HOLAP servers.
- Q.4 What is data transformation ? Explain the different methods of data transformation .
- Q.5 How can we apply data reduction technique ? Explain its.
- Q.6 Describe the details the Apriori algorithm. List various ways used to improve the efficiency of Apriori algorithm.
- Q.7 Write short notes :-
i) K-means clustering
ii) K-Medoids algorithm.
- Q.8 Define clustering ? Also mention the various requirements and application of clustering

Master of Computer Application
Fifth Semester Main Examination, December 2021
Unix & Shell Programming [MCA502]

Time: 3:00 Hrs

Max Marks 70

Note: Attempt any five questions.
All questions carry equal marks.

- Q.1 Discuss the architecture of UNIX Operating system. Explain.
- Q.2 Discuss various scenarios for retrieval of busser. Also write the algorithm.
- Q.3 What are in – core inodes ? write the algorithm for allocation of in – core inodes .
- Q.4 (a) Explain super block what fields does it contain ?
(b) Discuss the race condition in assigning inodes.
- Q.5 What are named pipes ? Explain logical view of reading and writing pipes.
- Q.6 Differentiate between :-
i) List and array
i) Sed and grep
- Q.7 What are shell variables ? Explain them by taking examples.
- Q.8 Write short note on (any three) :-
i) Interprocess communication
ii) Sleep process creation
iii) Features of LINUX
iv) Advantages of sed