Bachelor of Engineering
Seventh Semester Main Examination, December-2021
Cloud Computing [CS-703]
Branch: CSE

Time: 3:00 Hrs   **Max Marks 70**

Note : 1. Attempt any five questions out of eight.
2. All question carry equal marks.

Q.1   What is the clouds computing? Discuss the characteristics of cloud computing an per NIST.

Q.2   Explain brief the cloud infrastructure self services.

Q.3   Give a brief introduction requesting difference categories of scalability .

Q.4   What do you mean by Virtual desktop infrastructure? Write down its advantages and disadvantages.

Q.5   How are virtualization and cloud computing interrelates? Explain virtualization in cluster.

Q.6   What is a Hypervisor? Mention the types of hypervisor why are type 1 hypervisor better in performance than type 2 hypervisor.

Q.7   Write a short note on "Haddon".

Q.8   Write short note on:

(i) Cloud security challeges

(ii) Third party cloud services

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Information Storage & Management [CS-704]
Branch: CSE

Time: 3:00 Hrs   **Max Marks 70**

Note : 1. Attempt any five questions out of seven.

2. All question carry equal marks.

Q.1   (a) What are the key challenges in managing in formation ?

      (b) Why is RAID not an option for data protection and high availability ?

Q.2   (a) Write is details about the high level architecture and working of an intelligent storage system.

      (b) Explain in formation life cycle management with suitable example ?

Q.3   (a) What are the components of SAN ?

      (b) Discuss the different barriers of cloud computing ?

Q.4   (a) Write a brief notes on could computing infrastructure?

      (b) What is HOT spares ? What are the methods used for data recovery in hot spares ?

Q.5   (a) Explain briefly about backup topologies ?

      (b) Explain the different types of storage virtualization ?

Q.6   (a) What are the factor's that affecting NAS performance ?

      (b) Describe the CAS architecture ?

Q.7   Short note on
i) JBOD
ii) SNMP
iii) CIM

Bachelor of Engineering
Seventh Semester Main Examination, December 2021
Network and Web Security [CS-7101]
Branch: CSE

Time: 3:00 Hrs _____ **Max Marks 70**

Note : 1. Attempt any five questions out of eight.

2. All questions carry equal marks.

Q.1   How to perform penetration testing in truism testing system ?

Q.2   Clearly difference between anomaly defection and signature defection techniques of IDS.

Q.3   Describe the RC4 stream cipher algorithms.

Q.4   Explain the RSA algorithms with the help of a suitable example.

Q.5   Why hash function are used to develop MAC ? Give reasons.

Q.6   Write short notes.

   i) Email spiders.

   ii) Foot printing

   iii) Fire walls.

Q.7   Write secured authentication mechanism security management for achieving web application securing.

Q.8   Write short notes (any two)

   i) Session Hijacking

   ii) RC6

   iii) system hacking cycle .

Bachelor of Engineering
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Compiler Design [CS-701]
Branch: CSE

Time: 3:00 Hrs   **Max Marks 70**

Note : **1. Attempt any five questions out of eight.**
           2. All question carry equal marks.

Q.1   What is front and back end of compile? What are the advantages of reakem up the compiler functions into these two statges.

Q.2   Difference between top down parsing and bottom up parsing? What is the larges class of grammar the can be parses by each of them -.

Q.3   Explain various dynamic storage allocation techniques.

Q.4   Discuss the role of logical analysis in details.

Q.5   What do you mean by Bootstrapping of compiler.

Q.6   Define LEX. Explain in detail.

Q.7   Explain :
        (a) Passe tree
        (b) Abstract syntax tree

Q.8   (a) Describe the synthesis analysis model of complier.
        (b) Discuss input buffering in details.

Bachelor of Engineering
Seventh Semester Main Examination, December-2021
Distributed System [CS-702]
Branch: CSE

Time: 3:00 Hrs   **Max Marks 70**

Note : 1. Attempt any five questions out of eight.
             2. All question carry equal marks.

Q.1   What are the characteristics of distributed file system explain each of them in brief.

Q.2   (a) Draw DSM architecture and explain and it.
        (b) Discuss about implementation issues in DSM system.

Q.3   (a) Explain about consistence model.
        (b) Write desirable features of good distributed file system.

Q.4   Explain briefly-
        (a) Clock synchronization
        (b) Election algorithm

Q.5   Discuss the MWN issue in designing a mansparment RPC mechanism.

Q.6   Explain about file services architecture with meat diagram.

Q.7   What is role of middleware in distributed system? Name there middleware technologies

Q.8   Discuss the difference between the work station server and the processor pool models from the performance view point.