

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

Time: 3:00 Hrs

Max Marks 70

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

2. All question carry equal marks.

- Q.1 Discuss the cloud computing securing architect in brief.
- Q.2 What are cloud securing challenges? How is securing provided to data at various stages in context of cloud.
- Q.3 (a) How cloud computing provided socialization and faults to levance.
(b) Explain various challenges of storage virtualization.
- Q.4 (a) Discuss the various cloud storage providers.
(b) Compare public private and hybrid clouds.
- Q.5 Explain SAAS, PAAS and IAAS in details with example.
- Q.6 Describe VMware infrasmucture in details.
- Q.7 Write short nots
(i) Q os issues
(ii) Logical partitioning
(iii) Cloud stock
- Q.8 Write short notes:
i) Eucalyptus
ii) Sky computing
iii) OLAP

Bachelor of Engineering
Seventh Semester Main Examination, December-2021
Simulation & Modeling [IT-711]

Branch: IT

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 simulation? List a few advantages and disadvantages of simulation.
- Q.2 Write a short note on:
(a) Pitfalls of simulation
(b) monte carlo method of simulation.
- Q.3 Discuss the concept of discrete and continuous probating function.
- Q.4 Give the classification simulation software.
- Q.5 Explain output analysis oof termintring simulation with example.
- Q.6 (a) What is logistic curves.
(b) Discuss the concept of uniform and non uniform random numbers.
- Q.7 Explain the simulation package ARENA and DYNAMO.
- Q.8 Write short notes
(a) Feedback system
(b) Stochastic variable
(c) Oueuing system

Bachelor of Engineering
Seventh Semester Main Examination, December-2021
E-Commerce & Governance [IT-722]
Branch: IT

Time: 3:00 Hrs

Max Marks 70

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

2. All question carry equal marks.

- Q.1 (a) What is E-commerce? Explain its advantages and limitations.
- Q.2 (a) Write about supply chain management and its impact on E commerce.
(b) How E Governance is helping smooth functioning of business.
- Q.3 (a) What do you understand by EDI.
(b) Explain various methods of EDI
- Q.4 (a) What is E readiness and digital divides.
- Q.5 (a) Explain various methods of electronic frauds. Explain how it can be prevented.
- Q.6 (a) What challenges are faced if e- governance is implemented in a developing country.
(b) Discuss the advantages and disadvantage of E- commerce.
- Q.7 (a) What is use of firewall? Why it is used.
(b) Explain C2C model of e- commerce.
- Q.8 (a) Explain a layered architecture for E-commerce.
(b) Explain functioning of E-Seva? What is use of E-seva to an individual.

Bachelor of Engineering
Seventh Semester Main Examination, December-2021
Object Oriented Analysis and Design [IT-701]
Branch: IT

Time: 3:00 Hrs

Max Marks 70

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

- Q.1 (a) Explain the need of object oriented approach.
(b) Explain the term generalization and aggregation with suitable example.
- Q.2 Explain the role a Abstraction, Inherfance multiple inheritance and encapsulation with suitable example and sketch.
- Q.3 What do you mean by Object oriented system development life cycle? Also explain the main advantages of object oriented development.
- Q.4 Explain the following :
(a) Design Algorithm
(b) Design Optimization
(c) Object representation .
- Q.5 Compare object oriented programming language C++ and Java.
- Q.6 What is the unified process model? Explain the iteration outcomes and workflow in the unified process model with neat diagram.
- Q.7 Explain Implementation of control in object oriented design using suitable example.
- Q.8 Describe the following :
i) Chart diagram
ii) Activity diagram .
iii) Relational database

Bachelor of Engineering
Seventh Semester Main Examination, December-2021
Wireless & Mobile Computing [IT-702]
Branch: IT

Time: 3:00 Hrs

Max Marks 70

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

2. All question carry equal marks.

- Q.1 Define the role of multiple access techniques in wireless network. Also explain SDMA, DAMA, PRMA
- Q.2 Draw and explain the GSM network architecture .
- Q.3 Explain the GPRS and GSM. What are advantages of GPRS over GSM.
- Q.4 Discuss the various effects of mobile radio programming.
- Q.5 (a) What are the MAC services of IEEE 802.11 that are not provided in the modified LAN such as 802.3.
(b) What are the principal responsibilities of MAC protocol.
- Q.6 Explain how routing is performed in an Adhoc network.
- Q.7 Write down short notes on
(a) snooping TCP
(b) mobile TCP
(c) DHCP
- Q.8 Draw and explain GPRS architecture with example.