Enrollment No……

Master of Technology
Second Semester Examination, June-2021
System Programming [MTDC201]

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

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

Q.1 Explain abstract data types explain c example?

OR

Describe deceleration and types checking of data structure?

Q.2 Describe specification and implementation of structure-oriented data type?

OR

Explain union, pointer and programmable objects?

Q.3 What is implicit and explicit sequence control?

OR

Explain sequence control within expression?

Q.4 Describe exception and exception handlers?

OR

Describe static and dynamic scope and block structure?

Q.5 Write the comparison between C and C++ programming language?

OR

(a) Write the concepts of OOPS?

(b) Write the comparison between procedural and non-procedural language?

Enrollment No……

Master of Technology
Second Semester Examination, June-2021
Modeling & Simulation of Computer [MTDC202]

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

Note : Attempt any five questions out of eight.
All questions carry equal marks.
Assume suitable data if necessary and state them clearly.

Q.1 Write the properties of random numbers?

Q.2 Explain inverse transforms techniques?

Q.3 Explain convolution methods and acceptance rejection techniques?

Q.4 Explain verification of simulation model?

Q.5 Write multivariate and time series input model?

Q.6 Write types of simulation with respect to O/P analysis?

Q.7 Write the steps of measure of performances their estimation?

Q.8 Explain O/P analysis of terminating simulation?

Q.9 Describe O/P analysis for steady state simulation?

Enrollment No…….

Master of Technology
Second Semester Examination, June-2021
Network Design Technology [MTDC203]

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

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

Q.1 Describe configuring the layer two switches to implement the VLAN function.

Q.2 Explain the process of configuring the link aggregation of switch board connection.

Q.3 Explain the basic principle of spanning tree.

Q.4 Describe the design of a network room router configuration.

Q.5 Explain basic router configuration. Configure the router routing function.

Q.6 Explain the design of integrated wiring project.

Q.7 Explain conception and system contribution of integrated wiring system.

Q.8 Define topologies and type.

Q.9 Explain fault tolerant technology.

Enrollment No……

Master of Technology
Second Semester Examination, June-2021
Mobile & Satellite Communication [MTDC204]

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

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

Q.1 Define antenna parameters and their effect briefly.

Q.2 Discuss propagation over water of flat open area of cell coverage.

Q.3 Explain antenna height and signal coverage cells?

Q.4 Discuss the mobile to mobile propagation.

Q.5 Discuss the mobile to mobile propagation and point to point prediction model characteristic?

Q.6 Explain the concept and principle of wideband CDMA

Q.7 Discuss the QPSK technique for modulation used in mobile communication.

Q.8 Define the following term
(i) Cell splitting
(ii) Co-channel reduction factor

Enrollment No……

Master of Technology
Second Semester Examination, June-2021
Optical Networks [MTDC205]

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

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

Q.1 Explain the concept of wavelength reuse in a wavelength routed network with the aid of diagram.

Q.2 Write short notes on photonic packet switching?

Q.3 How optical time domain multiplexing is being done and where it is used?

Q.4 What is bit interleaving and packet interleaving in optical network?

Q.5 Discuss the optical access network architecture?

Q.6 Discuss the optical transmission safety and service interface.

Q.7 Write down the configuration management and performance management of optical network design.

Q.8 Write short note on
(i) Optical amplifier
(ii) Crosstalk
(iii) Dispersion