



PRESIDENCY UNIVERSITY

BENGALURU

Roll No.													
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End - Term Examinations – May / June 2026

Date: 27-05-2026

Time: 01:00pm – 04:00pm

School: SOCSE	Program: B. Tech	
Course Code : CSN2505	Course Name: Network Management Systems	
Semester: VI	Max Marks: 100	Weightage: 50%

CO - Levels	C01	C02	C03	C04	C05
Marks	22	20	20	20	18

Instructions:

- (i) Read all questions carefully and answer accordingly.
- (ii) Do not write anything on the question paper other than roll number.

Part A

Answer ALL the Questions. Each question carries 2marks.

10Q x 2M=20M

1.	Define Network Management System.	2 Marks	L1	C01
2.	List the network management standards.	2 Marks	L1	C01
3.	Identify the operations of SNMP protocol.	2 Marks	L1	C01
4.	Describe the SNMP information model.	2 Marks	L1	C02
5.	Differentiate SNMPv2 and SNMPv3.	2 Marks	L2	C02
6.	Review the structure of RMON MIB.	2 Marks	L2	C03
7.	Outline the TMN service architecture.	2 Marks	L1	C03
8.	Mention different network statistics measurement metrics.	2 Marks	L2	C04
9.	Name any 4 NMS tools.	2 Marks	L2	C04
10.	Recognize the need of Web-Based Enterprise Management.	2 Marks	L2	C05

Part B

Answer the Questions.

Total Marks 80M

11.	a.	Describe the organization of network management.	08 Marks	L1	C01
	b.	Explain the network management system platform.	08 Marks	L1	C01
Or					
12.	a.	Describe communication protocols used in network management.	08 Marks	L1	C01
	b.	Explain various case histories of network management.	08 Marks	L1	C01
13.	a.	Review the SNMP system architecture in detail.	08 Marks	L2	C02
	b.	Interpolate the Management Information Base in SNMP.	08 Marks	L2	C02
Or					
14.	a.	Explain the operations of SNMPv2 protocol.	08 Marks	L2	C02
	b.	Classify the compatibility between SNMPv1, SNMPv2 and SNMPv3.	08 Marks	L2	C02
15.	a.	Demonstrate the case study of internet traffic using RMON.	08 Marks	L3	C03
	b.	Interpret the different telecommunication management network standards.	08 Marks	L3	C03
Or					
16.	a.	Examine the integrated view of TMN.	08 Marks	L3	C03
	b.	Determine the implementation issues in remote monitoring.	08 Marks	L3	C03
17.	a.	Breakdown the evolution of Network Management Systems.	08 Marks	L4	C04
	b.	Compare and contrast system management in enterprise environments.	08 Marks	L4	C04
Or					
18.	a.	Infer the role of Web-Based Enterprise Management.	08 Marks	L4	C04
	b.	Analyze various Java Management Extensions available in Web Based Management.	08 Marks	L4	C04
19.	a.	Breakdown the Desktop Management Interface for NMS in detailed steps.	08 Marks	L4	C05
	b.	Analyze the different Enterprise management Solutions available for NMS.	08 Marks	L4	C05
Or					
20.	a.	Relate how Web Based Interface can be enabled for SNMP Management.	08 Marks	L4	C05
	b.	Examine the different Network Statistics Measurement Systems with different metrics.	08 Marks	L4	C05

