



# SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY  
(DEEMED TO BE UNIVERSITY)

Accredited "A" Grade by NAAC | 12B Status by UGC | Approved by AICTE

[www.sathyabama.ac.in](http://www.sathyabama.ac.in)

## Continuous Assessment Examination 1 (Aug. 2021)

Program	: B.E	Max. Marks:	30
Course	: Computer Networks and Design	Time	: 1 Hour
Course code:	SCSA1502	Sem	: V
Batch	: 2019-2023	Date	: 10.08.2021

### Part-A Answer ALL the questions (5×2=10)

Q.No	Questions	CO
1.	Justify the need of a network.	CO(1)
2.	Outline the design methodology used by network designers?	CO(1)
3.	List out the fundamental design goals.	CO(1)
4.	Identify the essential key elements of protocol.	CO(2)
5.	Enumerate the concept of routing.	CO(2)

### Part-B Answer ALL the questions (2×10=20)

Q.No	Questions	CO
6.	As a network engineer you are tasked with design and development structure of a network for a community. Enumerate in detail about the different approaches in designing a network which you will implement.	CO(1)
(OR)		
7.	Analyze in detail the various steps involved in building a good network.	CO(1)
8.	Different deployment requires different format of network architecture. As an network engineer kindly suggest some of the topologies which are used by industries for various network application with necessary diagrams and explanations	CO(2)
(OR)		

9.	Enumerate the various types of Ethernet used by the networking engineer in designing his network.	CO(2)
----	---	-------