

Question Paper Template (For Online Examination). J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai-22

(Autonomous College Affiliated to University of Mumbai)

End Semester Exam

Nov – Dec 2021

Program: B.Tech

Examination: TY Semester: V

Course Code: 1UTTC502 and Course Name: Computer Network Security

Duration: 03 Hours

Max. Marks: 60

Instructions:

- (1) All questions are compulsory.**
- (2) Draw neat diagrams wherever applicable.**
- (3) Assume suitable data, if necessary.**

		Max. Marks	CO	BT level
Q 1	Solve any six questions out of eight	12		
i)	Distinguish between passive attack from active attack with example	2	CO1	U
ii)	Explain two basic functions used in encryption algorithms.	2	CO1	U
iii)	Describe an avalanche effect.	2	CO2	U
iv)	Explain a Substitute byte transformation in AES.	2	CO2	U
v)	Describe Trojan horse attack.	2	CO3	U
vi)	Explain the steps involved in SSL required protocol.	2	CO4	U
vii)	List the design goals of firewalls.	2	CO6	U
viii)	Define the principal elements of NAC.	2	CO5	U
Q.2	Solve any four questions out of six.	16		
i)	Describe digital signature.	4	CO2	U
ii)	Describe the benefits and services provided by IPSec.	4	CO4	U

