Name: Enrolment No:						
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES						
End Semester Examination, Dec 2021Course: BCA (BFSI)Semester: IIProgram: R&S Scaling NetworkTime 03 hrs.Course Code: CSBC3004Max. Marks: 100						
SECTION A (Scan and upload) (5Qx 4M = 20 Marks)						
S.No.			Marks	со		
Q 1.	Elaborate the concepts SSH Operation in ren	note access.	4	CO1		
Q2.	List the Benefits of a VLAN Design.		4	CO2		
Q3.	Explain Purpose of STP Spanning Tree Prot	ocol along with diagram.	4	CO3		
Q4.	List different Wireless Technologies		4	CO4		
Q5.	Elaborate on Basic Router Configuration Ver	rification Commands	4	CO5		
SECTION B (Scan and upload) (4Qx10M = 40 Marks)						
Q6.	Explain the purpose of VLANs in a switched VLAN routing.	d network. Describe options for configurir	ng inter- 10	CO2		
Q7.	Explain the purpose and operation of first ho	p redundancy protocols.	10	CO3		
Q8.	Describe WLAN technology, standards, thr	eats to WLANs.	10	CO4		
	Explain how routers determine the best path	n. Describe the structure of a routing table	2.			
Q9.	OR		10	CO5		
	Explain how routers forward packets to the	destination. Configure basic settings on a	router.			
SECTION-C						
	(Sc	an and upload)	(2Qx 20M= 40 M	Marks)		

010	Explain common problems in a redundant, L2 switched network. Apply Spanning Tree Protocol (STP) in a loop-prevention network protocol that allows for redundancy while	10,10	601
Q10.	creating a loop-free Layer 2 topology.	10+10	CO3
	Apply 5 step process during Cisco switch is powered on. How we configure duplex		
	communication. List the characteristics of Store-and-forward switching.		
Q11.	Or		CO1
	Elaborate Use the switch LEDs to monitor switch activity and performance: SYST, RPS, STAT,		
	DUPLX, SPEED, and PoE. Analyze, how frames are forwarded in a switched network.		