## Goa Vidyaprasarak Mandal's

## GOPAL GOVIND POY RAITURCAR COLLEGE OF COMMERCE AND ECONOMICS, PONDA-GOA

## B.C.A (SEMESTER-IV) SUPPLEMENTARY EXAMINATION, MAY/JUNE 2019

## **COMPUTER NETWORKS**

Duration: 2 hours		Ma:	Marks: 50	
Q I) A. Define the following terr	nc.	(05*0	1=05)	
1. MAN	2. Broadcasting	3. Error Control	1 00)	
4. Repeater	5. IGMP	J. Lifor Condor		
B. Answer the following:	J. IOMI			
_	ctions of Natwork La	Var	(2)	
<ol> <li>Briefly explain the functions of Network Layer</li> <li>State and explain different types of Unguided transmission media.</li> </ol>			(2)	
2. State and explain differ	ent types of Ofiguide	u transmission media.	(3)	
QII) Answer the following:				
1. Explain with a neat diagram OSI Reference Model.			(5)	
2. What are Twisted Pair (			(3)	
Pair Cables.	Lables: State and Exp	main types of Twisted	(3)	
3. Write a short note on B	us Topology		(2)	
3. Write a short note on b	us Topology.		(2)	
QIII) Answer the following:				
1. Write a short note on Virtual Circuits.			(2)	
2. Explain Working of Datagram Subnet.			(3)	
3. Explain in detail Sliding Window Protocol.			(5)	
3. Explain in detail Shaing	3 Willdow I Tolocol.		(3)	
QIV) Answer the following:				
1. Illustrate with an exam	nle working of Dista	nce Vector Routing		
Algorithm.	pic working of Distan	ice vector Routing	(5)	
2. Explain in detail IPv4 h	pandar frama format		(5)	
2. Explain in detail if v41	icadei frame format.		(3)	
QV) Answer the following:				
1. Write a Short note on Principles of Cryptography.			(2)	
2. What is DNS? Explain		~P~~).	(3)	
3 With the help of Diagra	-	er format in detail	(5)	