2022/TDC(CBCS)/EVEN/SEM/ BVOCGE-203T/369

TDC (CBCS) Even Semester Exam., 2022

BVOC (INFORMATION TECHNOLOGY)

(2nd Semester)

Course No.: BVOCGE-203T

(Computer Networks)

Full Marks: 70
Pass Marks: 28

Time: 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Answer any two questions:

Explain the relationship between speed 1. (a) 5 and frequency. Write a short note on transmission (b) 6 media. Briefly explain the following networking (c) 6 protocols: (i) TCP (ii) IP (iii) ARP

(Turn Over)

2

(2)

2.	(a)	Explain polar and bi-polar line coding scheme with example. 12			
	(b)	Differentiate between baseband and broadband transmissions. 5			
3.	(a)	What do you mean by datagram network? Explain. 7			
	(b)	Write short notes on the following: 5×2=10 (i) Virtual circuit identifier (VCI) (ii) Routing table			
4.	(a)	Describe the structure of a packet switch network.			
	(b)	Define DSL technology. Briefly explain discrete multi-one technique for modulation.			
	(c)	Distinguish between CM and CMTS. 4			
SECTION—B					

Define block coding. Describe the

process of error correcting using block

	(b)	Define the following: 2×5=10)
		(ii) Switch	
		(iii) Bridge	
		(iv) Router	
		(v) Gateway	
б.	(a)	Distinguish between error detection and error correction.	
.•	(b)	Define PPP. What are the services provided by PPP? Explain different transmission phases of PPP protocol.	
		2+3+9=14	
7.	(a)	define the application of each class of classful addressing.	
	(b)	Define the following: 2×2=4 (i) Supernetting (ii) Subnetting	
8.	(a)	categories of DNS message? Explain. 4+4=8	;
	(b)		}
	(0)	State the differences between primary	

server and secondary server.

2+6=8

Answer any two questions:

coding.