## 18023

## B.C.A. Examination, Dec.-2023 Computer Networks (BCA-503)

Time: Three Hours | [Maximum Marks: 75]

**Note:** Attempt questions from **all** sections as per instructions.

## Section-A

## (Very Short Answer Type Questions)

**Note:** Attempt **all** questions. Each question carries **3** marks. Very short answer is required not exceeding 75 words.

What do you under stand by distributed processing?

P.T.O.

<ol> <li>Explain various network categories based</li> </ol>				Section-C				
on size of network.	3			(Long Answer Type Questions)				
5. Compare Byte-oriented versus bi	t-ori-			Note	e: Attemp	ot any <b>thre</b>	<b>e</b> questio	ns out of
ented protocols.	3		-		the fo	llowing five	questio	ns. Each
Section-B					questic	on carries 1	5 marks.	Answer is
(Short Answer Type Questions)					require	d in detail.		
Note: Attempt any two questions o	ut of			9.	Outline th	e steps inv	olved in	building a
the following three questions.	Each				computer	network. G	ive the de	tailed de-
question carries 7.5 marks.	Short		4		scription f	or each ste	ρ.	15
answer is required not exceeding	g 200			10.	Analyse	various	error	detection
words.						s in trans m	nission of	data. 15
6. What are the approaches used to pr	ovide			11		Topology?		
a range of Quality of service (QoS)	? 7.5			11.		topology in		
7. Brief about the importance of s	imple				5. 5.			
Network management Protocol (SN	IMP).				with exar	nple. Also g	live the a	avantages
	7.5				& disadva	antages of e	ach.	15
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Explain the use of Bridges.

3.

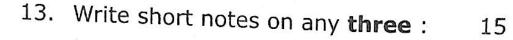
Write a short note on e-mail. 3

8. Describe the function & responsibilities

of session layer.

7.5

What is congestion control. How congestion control is different from flow control.
 Explain various congestion control techniques in computer network.



- (a) ISDN
- (b) Routers
- (c) Connection management
- (d) TDM & FDM
- (e) DTE-DCE Interface