

B.C.A. 303

Data Comm. & Comp. Net

303

B.C.A. Part-III EXAMINATION, 2025

(Faculty of Science)

(Three-Year Scheme of 10 + 2 + 3 Pattern)

Data Communication & Computer Networks

Time Allowed: Three Hours

Maximum Marks: 100

समय । तीन घंटे

अधिकतम अंक । 100

Answers of all the questions (short answer as well as descriptive) are to be given in main answer-book only. Answer of short answer type questions must be given in sequential order. Similarly all the parts of one question of descriptive part should be answered at one place in the answer-book. One complete question should not be answered at different places in the answer-book.

Write your roll number on question paper before start writing answers of the questions. Question paper consists of three parts.

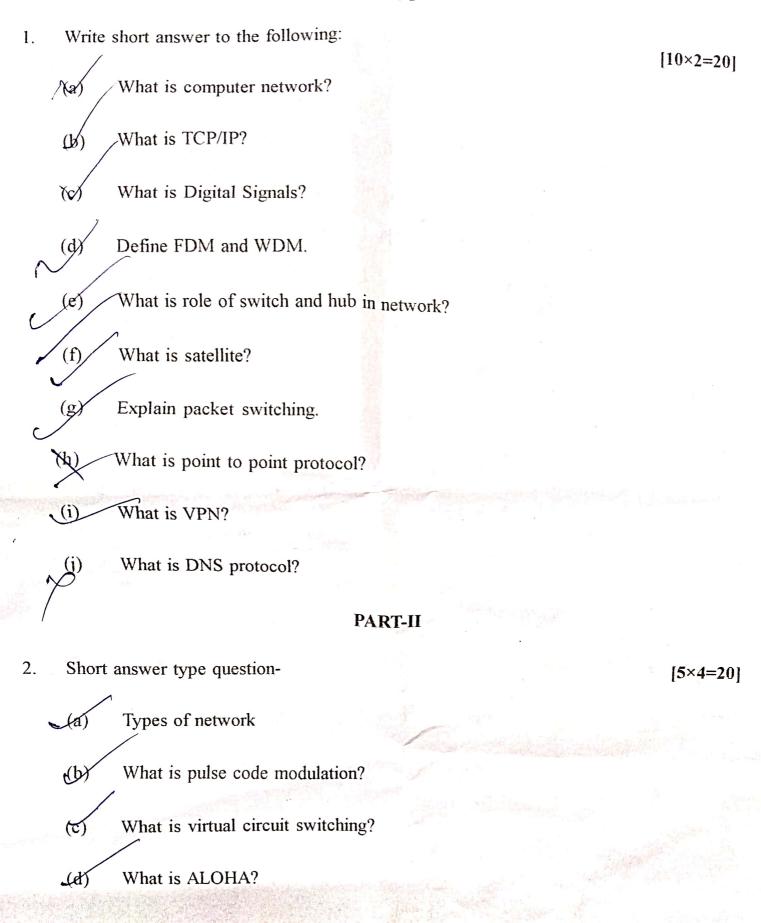
All three parts are compulsory.

Part-1: (Very short answer) consists of 10 questions of 2 marks each, Maximum limit for each question is up to 40 words.

Part-II: (Short answer) consists of 5 questions of 4 marks each, Maximum limit for each question is up to 80 words.

Part-III: (Long answer) consists of 5 questions of 12 marks each with one question from each unit with internal choice.

PART-I



C-2 BCA-303

	(e)	HTTP protocols		
,			PART-III	
3/	What is Network Architecture? Explain with example.			[12]
			OR	
C	Expla	in OSI reference model	with example.	
4.	Write	short notes on-		[12]
	(a)	Multiplexing Technique	ie –	
	(b)	Digital to analog mode	ulation	
			OR	
	What	is transmission media?	Explain guided media with suitable example.	[12]
5/	What i	s Network Switching	Technique? Explain with suitable example.	
			OR	
	Write	notes on-		[12
	(a)	Error detection and err	for correction technique	
17.15.2	(b)	Point to point protocol	on internet	
6.	Expla	in access mechanism (C	SMA/CD repeaters, Bridges) with example.	[12
		Contacts of	OR	

What is TCP/IP protocol? Explain with example.

OR

Explain application layer protocol and DNS protocol with example.