2×5

2020

COMPUTER SCIENCE — GENERAL

Fourth Paper

(Group - A)

Full Marks: 50

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

SET - 1

Answer question no. 1 and any five questions from the rest.

1. Answer any five questions:

(a) Define Data Rate.

			Please Turn Over
	(b)	Define logical, physical and port address.	5+3
5.	(a)	Describe the uses of a browser.	
	(b)	What is Geosynchronous satellite?	(3+3)+2
4.	(a)	Write short notes on: (i) FSK and (ii) ASK.	
	(b)	Write down the functionalities of Network and Transport layer in OSI model.	4+4
3.	(a)	Differentiate between LAN, MAN and WAN.	
	(b)	(ii) Coaxial cable. Explain the concepts of full duplex and half duplex with example.	(2+2)+4
2.	(a)	Write short notes on following media: (i) Twisted pair	
	(h)	What is the functionality of UDP?	
	(g)	What are the uses of bridges and routers?	
	(f)	What is Ethernet?	
	(e)	Define IP address.	
	(d)	Differentiate between time domain and frequency domain.	
	(c)	What is multiplexing?	
	(b)	What is S/N ratio?	

P(III)-Computer Science-G-4A/Set-1 (2)	
6. (a) Describe the principle of Token Ring Technology with	th diagram.
(b) What is the functionality of DNS?	6+2
7. (a) Briefly describe the architecture of E-mail service.	
(b) What is PAM?	6+2
8. Explain with diagram TCP/IP protocol suite.	8
9. (a) What do you mean by URL?	
(b) Describe the microwave transmission technique with	example. 2+6