

4738

BOARD DIPLOMA EXAMINATION, (C-14)

MARCH / APRIL - 2019

DECE - VI SEMESTER EXAMINATION DATA COMMUNICATIONS & COMPUTER NETWORKING

Time: 3 Hours [Total Marks: 80

PART - A

 $3 \times 10 = 30$

Instructions:

- (1) Answer ALL questions.
- (2) Each question carries **THREE** marks.
- (3) Answer should be brief and straight to the point and shall not exceed five simple sentences.
- 1 State the need for data communication networking.
- **2** List the 3 types of switching techniques.
- 3 Define Local Area Network and write its uses.
- 4 Write the applications of WAP.
- 5 Define the terms internet and intranet.
- 6 Distinguish between virtual circuit and datagram services.
- 7 List the commonly used WAN Technologies.
- **8** List the features of TCP.
- **9** List HTTP commands.
- 10 State the need for network security.

4738] [Contd...

 $10 \times 5 = 50$

Inst	tructio	ons: (1) (2) (3)	Each question carries TEN marks.		
11	Draw the OSI 7 layer architecture and explain the function of each layer.				
12	(a) (b)				
13	Explain different network topologies (Bus, Star, Ring).				
14	(a) (b)				
15	Explain the Internal architecture of ISP.				
16	Exp	Explain different layers of TCP/IP with a neat diagram.			
17	(a) (b)	•	connectivity of system using TCP & UDP. transfer operation using FTP.	5 5	
18	Explain the web browser architecture.				

PART - B