

**DIPLOMA - VIEP - COMPUTER SCIENCE AND
ENGINEERING (DCSVI)/ADVANCED LEVEL
CERTIFICATE COURSE IN COMPUTER
SCIENCE AND ENGINEERING (ACCSVI)**

Term-End Examination

00764

June, 2017

BICS-031 : BASICS OF NETWORKING

Time : 2 hours

Maximum Marks : 70

Note : Attempt any **five** questions. Each question carries equal marks.

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1. (a) Explain various computer networks. 7
(b) How do you share information among various devices? 7
 2. (a) Distinguish between peer-to-peer and server based networks. 7
(b) How do you maintain a network? 7
 3. (a) What is Mesh and Ring topology? Explain briefly. 7
(b) Compare and contrast Repeaters, Bridges and Modems. 7
 4. (a) Describe different types of propagations. 7
(b) Explain the advantages and disadvantages of optical fibre cables. 7

5. (a) Discuss TCP/IP network protocol model. 7
(b) Explain data encapsulation. 7
6. (a) Discuss IP addressing. 7
(b) Explain Subnet Masking. 7
7. Write short notes on any **four** of the following : $4 \times 3 \frac{1}{2} = 14$
- (a) Coaxial Cable
 - (b) Bridge
 - (c) DNS
 - (d) Wireless Communication
 - (e) MAC Address
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