

Seat No.	
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B.C.A. (Part - III) (Semester - V) Examination, April - 2018**COMPUTER NETWORK (Revised)****Sub. Code : 66417****Day and Date : Monday, 23 - 04 - 2018****Total Marks : 80****Time : 11.00 a.m. to 02.00 p.m.**

- Instructions:**
- 1) Each question carry 16 marks.
 - 2) Solve any four questions from Q. 1 To Q. 7.
 - 3) Q. 8 is Compulsory.

- Q1)** a) Explain data flow of communication. [8]
 b) What is computer Network? What are the advantages and disadvantages of Computer Network. [8]
- Q2)** a) Explain Session Layer. [8]
 b) Explain Design issues of Data Link Layer. [8]
- Q3)** Explain ISO-OSI Reference model in detail. [16]
- Q4)** a) Explain Client server network architecture. [8]
 b) What is transmission media? Explain wired transmission media. [8]
- Q5)** a) What is IP address? Write the characteristics of IP address. [8]
 b) Explain circuit switching with suitable example. [8]

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- Q6)** a) What is Cryptography. Explain types of cryptography. [8]
 b) Explain routing algorithm of network layer. [8]
- Q7)** a) Explain Transmission modes in detail. [8]
 b) Explain types of network. [8]
- Q8)** Write short notes on following (any four) [16]
 a) Domain Name System
 b) FTP
 c) Time-Division Multiplexing
 d) TCP
 e) Satellite

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