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**SARDAR PATEL UNIVERSITY**  
**B.B.A. (ITM) II<sup>nd</sup> SEMESTER (NC) EXAMINATION**  
**2016**  
**Monday, 17<sup>th</sup> October**  
**2.00 p.m. to 4.00 p.m.**  
**UM02EBBI05 - Computer Networks**

Total Marks : 60

- Q.1 [A] What is Computer Network? Explain advantages & disadvantages of Computer Network. [08]  
[B] Explain Physical Layer and Network Layer in detail. [07]  
OR
- Q.1 [A] What are the categories of Computer Network? Explain LAN in detail. [08]  
[B] Explain Data Link Layer & Transport Layer in detail. [07]
- Q.2 [A] What is Serial Transmission? Explain in detail. [08]  
[B] What is Transmission Impairment? Explain. [07]  
OR
- Q.2 [A] What is Parallel Transmission? Explain in detail. [08]  
[B] Write a note on Transmission Mode. [07]
- Q.3 [A] What is BUS & RING Topology? Explain in detail. [08]  
[B] What do you mean by PROTOCOL? Explain Needs of it. [07]  
OR
- Q.3 [A] What is STAR & MESH Topology? Explain in detail. [08]  
[B] Write a note on CSMA/CA. [07]
- Q.4 [A] Write a note on Fiber Optics Cable in detail. [08]  
[B] Explain the concept of Switch & Modem. [07]  
OR
- Q.4 [A] Write a note on Shielded Twisted Pair Cable in detail. [08]  
[B] Explain the concept of Router & Gateway. [07]

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