

**GOVERNMENT COLLEGE OF ENGINEERING AURANGABAD**  
(An Autonomous Institute of Government of Maharashtra)

**B.E. (ECT) Examination**  
End Semester Examination NOV2016

**ET444: COMPUTER NETWORK**

**12 1, NOV 2016**

Time: Three Hours

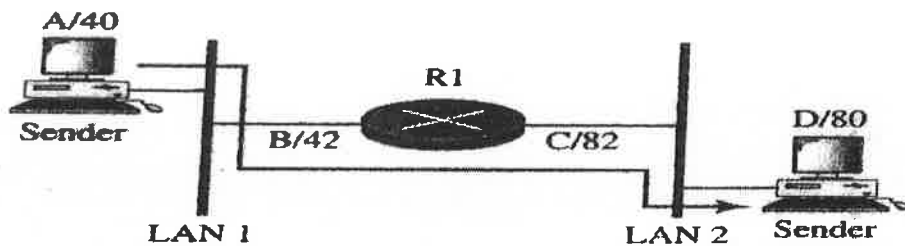
Max. Marks: 60

“Verify the course code and check whether you have got the correct question paper”

**N.B:-**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Assume suitable data if necessary and state it clearly.
4. Use of non-programmable calculator is allowed.

- Q1.** How does the data get passed from one layer to next layer in OSI model?  
As shown in below fig. communication is between a process running at computer A with port address I and a process running at computer D with port address show the content of packets, frames at the network, data link and transport layer for each hop.



- Q2.** Explain the network layer, transport layer and data link layer delivery. What are headers and trailers how they added and removed..... (10)
- Q3.** A) Compare and contrast the web server and client server implementation..... (05)
- B) Explain the data link protocol present in the noisy channel..... (05)
- Q4.** A) Draw and explain point to point protocol and FDDI (10)
- OR**
- B) TCP is a connection oriented or connectionless protocol state your opinion and explain addressing, establishing and releasing a connection of transport layer protocol for TCP..... (10)
- Q5.** State the services provided by application layer and explain the DNS, HTTP, WWW..... (10)
- Q6.** How do the TCP/IP layers correlated with OSI model?..... (05)
- Q7.** Write a short note on 1) Ethernet (05)  
2) VOIP

