**BSAMO10**

**Fourth Semester B. Tech Automobile Engineering**

**Examination Aug/Sep-2015**

**LAN & Networking**

**Time:-3Hours Max. Marks: - 75**

**SECTION-A**

**Answer any five questions. (5\*5)**

1. Clarify the terms ‘Protocols’ & ‘Standards’.
2. What is Circuit Switching (CS)?
3. Write a short note on Polar Encoding.
4. Summarize the purpose of Flow Control mechanism.
5. Draw & define Twisted Pair.
6. Briefly write about Manchester Line Encoding.
7. With the help of neat sketch define Stop-and-Wait (SnW) Flow Control.

**SECTION-B**

**Answer any two questions. (10\*2)**

1. Write a detail note on Hamming Code.
2. Describe Coaxial cable in detail.
3. Give an account of Internetwork.

**SECTION-C**

**Answer any two questions. (15\*2)**

1. Elaborate the following:
   1. IEEE 802.4
   2. IEEE 802.4 Bus Arbitration
   3. IEEE 802.5 Topology
2. Explain the ‘Transport Layer (TL)’ & ‘Session Layer’.
3. Elucidate the concepts of Switching & Forwarding.