**Reg. No. \_\_\_\_\_\_\_\_**

**Karunya University**

**(Karunya Institute of Technology and Sciences)**

(Declared as Deemed to be University under Sec.3 of the UGC Act, 1956)

**Supplementary Examination - June 2011**

**Subject Title: COMMUNICATION AND SWITCHING TECHNIQUES Time: 3 hours**

**Subject Code: CS361 Maximum Marks: 100**

**Answer ALL questions (5 x 20 = 100 Marks)**

1. **Compulsory**:

Explain the different types of multiplexing in detail.

2. Discuss the principle and configuration of crossbar switching system.

(OR)

3. Explain in detail about the Strowger step by step system.

4. Describe about the blocking models and loss estimate of switching networks.

(OR)

5. Explain the various modes of operation of time division time switching.

6. Elaborate in detail about the stored program control.

(OR)

7. Explain with relevant diagrams the common channel signalling.

8. Discuss in detail the model of an intelligent network.

(OR)

9. Describe the ISDN protocol architecture. Also discuss about the ISDN services.