**Tentative Syllabus and Structure of First In-semester Examination**

**Syllabus**

pdf files

1. Communication Systems By Carlson- pages1 to 14
2. Dennis Roddy and John Coolen, Pages 252 to 266, 278 and 297 to 300
3. AM Modulation Problem 1
4. Notes, pages 34 and 35
5. Communication Systems By Carlson Pages 176 and 177
6. George Kennedy, pages 79 to 89 (except section 5-1.4 and 5-1.5), pages 91 and 92 (Lecture on Jan 20th)
7. FM Radio Spectrum
8. FM Modulation Problem 2 (Lecture on Jan 20th)
9. FM Modulation Problem1 (Lecture on Jan 20th)
10. Communication Systems By Carlson Pages 184 to 189 (Lecture on Jan 22nd)
11. Communication Systems By Carlson- pages 208 to 212 (Lectures on Jan 23rd and 27th)

**Structure**

Answer all questions on regular answer books.

Each question will consist of a, b, c, d,…. which can be answered in one-line or few-lines or detailed-answers.

Each question may include short quiz-type questions (concept based), design, analysis, problems and derivations.

Each question is of 20 marks.

Question 1 – Introduction and AM

Question 2 – AM and FM

Question 3 – FM

Duration of Examination – 1 hour and 30 minutes