

Code: R7421006

**R7**

B.Tech IV Year II Semester (R07) Supplementary Examinations, March/April 2013

**TELEMETRY & TELECONTROL**

(Common to EIE and E.Con.E)

Time: 3 hours

Max Marks: 80

Answer any FIVE questions  
All questions carry equal marks

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- 1 (a) Explain the functional blocks of telemetry system.  
(b) Explain about power line carrier communication.
- 2 Write short notes on:  
(a) Modulation codes.  
(b) Intersymbol interference.
- 3 Explain about frequency division multiplexing.
- 4 Explain the following:  
(a) Differential PCM.  
(b) QAM.
- 5 Give the general considerations about satellite communications.
- 6 Explain about transmitter and receiver circuit of optical telemetry.
- 7 Explain digital and analog techniques in telecontrol.
- 8 Explain different telecontrol systems with examples.

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