Reg. No. : | | | | | | | | | | |

Question Paper Code: 52432

M.E. DEGREE EXAMINATION, NOV 2016

Third Semester

Computer Science and Engineering (With Specialization in Networks)

15PNE302 - SIMULATION OF COMMUNICATION SYSTEMS AND NETWORKS

(Regulation 2015)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions

(5 x 20 = 100 Marks)

1. (a) State and explain the principles of Pseudo noise sequences. (20)

Or

(b) State and explain the principles non linear sequences. (20)

2. (a) State and explain the principles of Random process model – Markov and ARMA sequences. (20)

Or

(b) List out general characteristics of computer generation and testing of random numbers. (20)

3. (a) Write detail notes on estimation of power spectral density of a process. (20)

Or

(b) Explain in detail about their function and operation of quality of an estimator for SNR. (20)

4. (a) Define NS2? Describe NS2 implementation and their operation. (20)

Or

(b) Explain in detail about M/G/1 function. (20)

5. (a) Create simple LAN using NS2 routing technique for a particular organization. (20)

Or

(b) List out the limitation of Classical queuing model. (20)

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