

GOVERNMENT POLYTECHNIC VAISHALI

ELECTRICAL ENGINEERING, SEMESTER VI

LECTURE PLAN FOR LEFT SYLLABUS FROM 11.04.2020

SUBJECT:- AUTOMATIC CONTROL SYSTEM(1620604)

SUBJECT TEACHER:-- RAJNI KANT

S.NO.	UNIT	TOPICS TO BE COVERED	NO OF LECTURE	BOOK
1	09	Nyquist stability criterion	L1, L2	B1, B2
		Assessment of relative stability using Nyquist stability criterion, phase margin, gain margin	L3, L4	B1, B4
		Close loop frequency responses	L5	B3
2	10	Concept of state	L1, L2	B1, B3
		State space variables & models	L3, L4	B3, B5
		Controllability & observability	L5	B1

BOOK RECOMMENDATION :--

1. CONTROL SYSTEM ENGINEERING BY I.J NAGRATH/ M.GOPAL(B1)
2. CONTROL SYSTEM ENGINEERING BY SHUSHIL DAS GUPTA(B2)
3. CONTROL SYSTEM ENGINEERING BY HASSAN SAEED(B3)
4. CONTROL SYSTEM ENGINEERING BY NISE WILLEY(B4)
5. AUTOMATIC CONTROL SYSTEM BY S.N.GOYAL(B5)