	f Five Years integrated M.Sc (Physics) mester – VIII	L	Т	Р	С
P 456 :	Remote Sensing: Fundamentals and Applications	3	0	0	3
Energ atmos acquis Syste	EPTS AND FOUNDATIONS OF REMOTE SENSING y sources and Radiation principles, Energy interactions in the phere, energy interactions with earth surface features, Data ition and Interpretations, Reference data, The Global Positioning in An ideal remote sensing system, Characteristics of real remote in graystem,			(06 H	lours)
• ELEM Early seque & Spe	ENTS OF PHOTOGRAPHIC SYSTEMS nistory of Aerial photography, Basic negative to positive photographic nce, Film exposure, Film density and characteristic curves, structure ctral sensitivity of black and white, color and color infrared films, film tion, Aerial cameras, filters, electronic imaging, multiband imaging			(06 F	dours)
• REMO	TE SENSING SYSTEMS AND SENSORS te borne systems, direct remote sensing, indirect remote sensing			(06 F	lours)
Introd contra differe	E PROCESSING FUNDAMENTALS uction, Image rectification and restoration, Image enhancement, st manipulation, spatial feature manipulation, image classification, nt classification schemes, Classification accuracy assessment, transmission and compression			(06 H	lours)
	UTION OF INTERNATIONAL REMOTE SENSING rs and other international satellite systems			(06 F	lours)
Devel	N REMOTE SENSING PROGRAMME opment of IRS system and its components, role and importance of e sensing			(06 F	lours)
APPL Applic	ICATIONS OF REMOTE SENSING ations in (i) agriculture, (ii) Forestry, (iii) vegetation, and (iv) ography			(06 F	lours)
ocean	(Total Contact	Time (Th	eory)	: 42 H	lours)

BO 1.	OKS RECOMMENDED : Campbell J. B.	Introduction to Remote Sensing	Taylor and Francis	1996
2.	Kumar M.	Remote Sensing	NCERT	2001
3.	Lilesand T.M. & Keifer R.W.	Remote Sensing and Image interpretation	John Wiley & Sons	2002
4.	Joseph G.	Fundamentals of Remote Sensing	University Press	2004
5.	Wolf P.R.	Elements of Photography	Mc-Graw Hill	1974