

CONTENTS

	PAGE
ENGLISH ABSTRACT	ii
THAI ABSTRACT	iii
ACKNOWLEDGEMENTS	iv
CONTENTS	v
CHAPTER	
1. INTRODUCTION	1
2. PRELIMINARIES	4
2.1 Metric spaces, normed spaces, sequence spaces and ordered sets	4
2.2 Modular spaces and Modular metric spaces	7
2.3 Lacunary sequence spaces	11
2.4 Cesàro sequence spaces	13
2.5 Geometric properties of Banach spaces	14
2.6 Fixed points and best proximity points	16
3. SOME GEOMETRIC PROPERTIES OF LACUNARY SEQUENCE SPACES AND GENERALIZED CASÀRO SEQUENCE SPACES	20
3.1 On the property (β) and the uniform opial property of Lacunary sequence spaces	20

	PAGE
3.2 On the property (H) and the uniform opial property of generalized Cesàro sequence spaces	26
4. FIXED POINT THEOREMS FOR GENERALIZED CONTRACTION MAPPINGS IN MODULAR SPACES	34
4.1 Fixed point theorems for generalized contraction mappings in modular spaces	34
4.2 Fixed point theorems for contraction mappings in modular metric spaces	41
5. BEST PROXIMITY POINTS FOR GENERALIZED CONTRACTION MAPPINGS IN METRIC SPACES	47
5.1 Best proximity points for Geraghty's proximal contraction mappings	47
5.2 Best proximity points for generalized proximal C -contraction mappings	61
5.3 Best proximity point theorems for generalized cyclic contractions mappings	72
5.4 Common best proximity points for proximity commuting mappings	79
6. CONCLUSIONS	87
REFERENCES	94
BIOGRAPHY	101