## **CONTENTS**

Page No.

	Acknowledgements	i-iv
	Contents	v-viii
	List of Figures	ix-xix
	List of Tables	xx-xxi
	Appendices	xxii
	Synopsis	xxiii-xxxiii
Chapter I	Introduction	1-15
I.1	Previous Work	3
I.2	Objectives of the Research	5
I.3	Spatial Importance of Jammu Plains: Trade and	7
	Trade Routes	
I.4	Question of Identity Affiliation: Political or	12
	Geographical	
I.5	Limitation of Historical Accounts in	13
	Reconstructing the Past	
Chapter II	Research Methodology	16-28
II.1	Exploration	18
II.1.1	Intra-regional Analysis	21
II.1.2	Index Site Referencing	21
II.1.3	Section Scraping	22
II.1.4	Cross Regional Analysis	22
II.2	Scientific Analysis	23

II.2.1	XRF	24
II.2.2	ICPMS	25
II.2.3	SEM-EDX	26
II.3	Ethnoarchaeology	26
Chapter III	Geographical and Environmental Setting of the Research Area	29-49
III.1	Geographic Location of Jammu	29
III.2	Physiography of Jammu District	31
III.2.1	Jammu Siwalik West	31
III.2.2	Chenab-Tawi Plains	32
III.2.3	Jammu Siwalik East	32
III.2.4	Jammu Foothill Plains	33
III.3	Geology	34
III.4	Drainage	35
III.5	Climate	38
III.6	Soil	41
III.6.1	Lithosols	41
III.6.2	Alluvial Soils	41
III.7	Land use Pattern	42
III.8	Natural Wealth	45
III.9	Flora and Fauna of the Research Area	46
III.9.1	Flora	46
III.9.2	Fauna	47
Chapter IV	Archaeology of the Plains of Jammu	50-117
IV.1	Period I	56

IV.1.1	Excavated sites of Period I	58-61
IV.1.2	Explored sites belonging to Period I	61-62
IV.2	Period II	63
IV.2.1	Excavated sites of Period II	64-71
IV.2.2	Explored sites of Period II	71-85
IV.3	Period III	86
IV.3.1	Excavated sites of Period III	89
IV.3.2	Explored sites of Period III	89-99
IV.4	Period IV	100
IV.4.1	Excavated sites of Period IV	104-106
IV.4.2	Explored sites of Period IV	106-116
Chapter V	Material Analysis	118-197
V.1	Period I	119
V.1.1	Pottery from Period I	121
V.2	Period II	122
V.2.1	Cultural Material from scraped sections	123
V.2.1.1	Section scraping at Biyan Tibba	123
V.2.1.2	Section scraping at Satowali	125
V.2.2	Material culture from other explored sites	128
V.2.3	Pottery from Period II	128
V.3	Period III	143
V.3.1	Cultural material from scraped section	143
V.3.1.1	Section scraping at Biyan Tibba	143
V.3.2	Material culture from other explored sites	145
V.3.3	Pottery from Period III	146
V.4	Period IV	160
V.4.1	Cultural material from scraped sections	160

V.4.1.1	Section scraping at Biyan Tibba	160
V.4.1.2	Section scraping at Satowali	161
V.4.2	Material culture from other explored sites	162
V.4.3	Pottery of Period IV	165
V.5	Miscellaneous Artifacts	189
Chapter VI	Settlement Patterns	198-255
VI.1	Settlement pattern reconstruction	202
VI.1.1	Sites and their spatial distribution	202-204
VI.1.2	Size of the sites	205-210
VI.1.3	Sites and proximity of water bodies	210-213
VI.1.4	Other water sources	214
VI.2	The Emerging Picture	216
VI.2.1	Period I	217
VI.2.2	Period II	223
VI.2.3	Period III	231
VI.2.4	Period IV	245
Chapter VII	Conclusion and Future Work	256-266
	References	267-292
	Appendices	293-353