

TABLE OF CONTENTS

CHAPTER NO.	TITLE	PAGE NO.
	Title	i
	Certificate by the Supervisor	ii
	Declaration by the Scholar	iii
	Dedication	iv
	Acknowledgements	v
	Table of contents	vii
	List of tables	xiii
	List of figures	xv
	List of appendices	xviii
CHAPTER I	INTRODUCTION	1
1.1	Health	2
1.2	INFERTILITY	3
1.3	MORPHOLOGY OF SPERM PRODUCTION	3
1.4	HOW DOES THE MALE REPRODUCTIVE SYSTEM WORK	4
1.5	NORMAL FUNCTION OF MALE REPRODUCTIVE SYSTEM	5
1.6	CAUSES OF MALE INFERTILITY	5
1.7	CAUSES MALE INFERTILITY	5
1.8	SPERM PRODUCTION PROBLEMS	6
1.9	BLOCKAGE OF SPERM TRANSPORT	6
1.10	SPERM ANTIBODIES	7
1.11	SEXUAL PROBLEMS	7
1.12	HORMONAL PROBLEMS	7
1.13	GENETIC PROBLEMS AFFECT SPERM PRODUCTION	8
1.14	SYMPTOMS OF MALE INFERTILITY	9

1.15	WHAT ARE CHROMOSOMES INVOLVES	9
1.16	WHAT ARE GENES INVOLVES	10
1.17	SEMEN ANALYSIS	10
1.18	WHEN IS SEMEN ANALYSIS DONE	10
1.19	TESTOSTERONE	10
1.20	TESTOSTERONE PRODUCTION CONTROL MECHANISM	11
1.21	TESTOSTERONE DEFICIENCY	11
1.22	AGEING AND TESTOSTERONE LEVELS	12
1.23	SYMPTOMS OF TESTOSTERONE DEFICIENCY	12
1.24	THE MOST EFFECTIVE MALE FERTILITY NUTRIENTS	12
1.25	ANDROPAUSE	13
1.25.1	CAUSES	13
1.25.2	SYMPTOMS AND COMPLICATIONS	14
1.25.3	TREATMENT AND PREVENTION	15
1.25.4	EFFECTIVE TREATMENT FOR ANDROPAUSE	17
1.26	YOGA	18
1.26.1	COMMON OBJECTIVES OF YOGA	18
1.26.2	ASANA	19
1.26.3	PRANAYAMA	19
1.26.4	MEDITATION	19
1.27	YOGA BENEFITS MALE REPRODUCTIVE SYSTEM	20
1.28	YOGA PRACTICE IMPACT ON REPRODUCTIVE HEALTH OF MEN	20
1.29	THERAPEUTIC WAYS OF YOGA ACTION ON MALE REPRODUCTIVE HEALTH	22
1.30	YOGA IN IMPROVEMENT OF REPRODUCTIVE FUNCTIONS	22
1.31	YOGA IN SUBDUING STRESS AND ANXIETY	23

1.32	YOGA IN IMPROVING MOOD AND FUNCTIONING	23
1.33	DIET	24
1.33.1	TYPES OF YOGIC DIET	24
1.33.2	TABLE SHOWING SATTVIC, RAJASIC AND TAMASIC ARTICLES OF DIET	27
1.34	PHYSICAL& PHYSIOLOGICAL VARIABLES	28
1.34.1	FLEXIBILITY	28
1.34.2	BLOOD PRESSURE	28
1.34.3	BODY MASS INDEX	28
1.34.4	BODY MASS INDEX CALCULATION	28
1.34.5	RESPIRATORY RATE	29
1.35	PSYCHOLOGICAL VARIABLES	29
1.35.1	ANXIETY	29
1.35.2	STRESS	30
1.35.3	SELF CONFIDENCE	30
1.36	STATEMENT OF THE PROBLEM	31
1.37	HYPOTHESIS	31
1.38	SIGNIFICANCE OF THE STUDY	32
1.39	DELIMITATION	32
1.40	LIMITATION	33
1.41	DEFINITION AND MEANING OF TERMS	33
1.41.1	YOGA	33
1.41.2	DIET	34
1.41.3	ANDROPAUSE	34
1.41.4	FLEXIBILITY	34
1.41.5	SYSTOLIC BLOOD PRESSURE	34
1.41.6	BMI (Body Mass Index)	34
1.41.7	RESPIRATORY RATE	34
1.41.8	PSYCHOLOGICAL VARIABLE – STRESS	35
1.41.9	ANXIETY	35

1.41.10	SELF CONFIDENCE	35
CHAPTER II	REVIEW OF RELATED LITERATURE	36
2.1	STUDIES RELATED TO YOGA AND PHYSIOLOGICAL VARIABLES	36
2.2	STUDIES RELATED TO YOGA AND PSYCHOLOGICAL VARIABLES	50
2.3	SUMMARY OF THE LITERATURE	57
CHAPTER III	METHODOLOGY	58
3.1	SELECTION OF SUBJECTS	58
3.2	SELECTION OF VARIABLES – (Independent & Dependent)	58
3.2.1	SELECTION OF THE DEPENDENT VARIABLES	59
3.2.2	INDEPENDENT VARIABLES	59
3.3	EXPERIMENTAL DESIGN	59
3.4	PILOT STUDY	60
3.5	CRITERION MEASURES	60
3.6	RELIABILITY OF DATA	61
3.7	RELIABILITY OF INSTRUMENT	61
3.8	TESTERS RELIABILITY & COMPETENCY	61
3.9	SUBJECT RELIABILITY	62
3.10	SUBJECTS ORIENTATION	63
3.11	TRAINING PROGRAMME	63
3.12	TRAINING SCHEDULE OF EXPERIMENTAL GROUP – I (Yogic training with diet) Training Programme	64
3.13	DEPENDENT VARIABLES - TEST ADMINISTRATION	91
3.13.1	PHYSICAL VARIABLE	91
3.13.2	FLEXIBILITY (SIT AND REACH TEST)	91
3.13.3	PHYSIOLOGICAL VARIABLES	92
3.13.3.1	BLOOD PRESSURE	92

3.13.3.2	BODY MASS INDEX (BMI)	92
3.13.3.3	PHYSIOLOGICAL VARIABLE - RESPIRATORY RATE	93
3.13.4	PSYCHOLOGICAL VARIABLES - 3.14.3.1 (STRESS)	93
3.13.4.1	PSYCHOLOGICAL VARIABLE – ANXIETY	94
3.13.4.2	PSYCHOLOGICAL VARIABLE - SELF CONFIDENCE	95
3.14	COLLECTION OF DATA	96
3.15	STATISTICAL TECHNIQUE	96
CHAPTER IV	RESULTS AND DISCUSSIONS	97
4.1	OVERVIEW	97
4.2	TEST OF SIGNIFICANCE	97
4.3	LEVEL OF SIGNIFICANCE	97
4.4.1	RESULTS OF FLEXIBILITY	98
4.4.2	DISCUSSION AND FINDINGS OF FLEXIBILITY	100
4.4.3	RESULTS OF SYSTOLIC BLOOD PRESSURE	102
4.4.4	DISCUSSION AND FINDINGS OF SYSTOLIC BLOOD PRESSURE	104
4.4.5	RESULTS OF (BODY MASS INDEX)	105
4.4.6	DISCUSSION AND FINDINGS OF BODY MASS INDEX	108
4.4.7	RESULTS OF RESPIRATORY RATE	110
4.4.8	DISCUSSION AND FINDINGS OF RESPIRATORY RATE	112
4.4.9	RESULTS OF STRESS	114
4.4.10	DISCUSSION AND FINDINGS OF STRESS	116
4.4.10.1	RESULTS OF SELF - CONFIDENCE	118
4.4.10.2	DISCUSSION AND FINDINGS OF SELF - CONFIDENCE	120
4.4.11	RESULTS OF ANXIETY	122
4.4.11.1	DISCUSSION AND FINDINGS OF ANXIETY	124

4.5	DISCUSSION ON HYPOTHESES	126
CHAPTER – V	SUMMARY, CONCLUSIONS AND RECOMMENDATIONS	127
5.1	SUMMARY	127
5.2	CONCLUSIONS	128
5.3	RECOMMENDATIONS FOR PRACTITIONERS/ GOVERNMENT	128
5.4	SUGGESTION FOR FURTHER RESEARCH	130
	BIBLIOGRAPHY	131
	APPENDIX	136