





DEDICATED TO

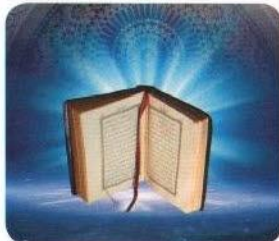
*The people who contemplate,
my family,
my venerable parents
and my wife
(Who prayed all life for my success).*


May Allah Bestow His Mercy upon them.



Contents

CHAPTER	DESCRIPTION	PAGE NO.
	PREFACE	10
	INTRODUCTION	15
	 THE STRUCTURE OF THE UNIVERSE AND THE HOLY I	27
1	Old View About the Universe	28
2	Ptolemaic Model	29
3	Copernicus Model	31
4	Kepler's Laws	32
5	Newton's Theory of Gravity	34
6	Present View About the Universe	39
7	Beginning of the Universe	40
8	Seven Heavens	43

CHAPTER	DESCRIPTION	PAGE NO.
2	SPACE-TIME AND THE HOLY QUR'AN 	47
1	Space and Time	48
2	Newton's Laws of Motion	49
3	Newton's Law of Gravitation	51
4	Relative Motion	55
5	Frames of Reference	56
6	The Demise of Ether Theory	58
7	Defence of Ether Theory	60
8	Special Theory of Relativity	62
9	Postulates of Special Theory of Relativity	68
10	Consequences of Special Theory of Relativity	69
11	Need for General Theory of Relativity	77
12	General Theory of Relativity	78
13	Tests of General Relativity	80
3	THE EXPANDING UNIVERSE AND THE HOLY QUR'AN 	84
1	The Stars	85
2	The Solar System	86

CHAPTER	DESCRIPTION	PAGE NO.
3	The Sun	86
4	The Earth	88
5	The Moon	89
6	The Mercury	91
7	The Venus	92
8	The Mars	92
9	The Jupiter	93
10	The Saturn	94
11	The Uranus	94
12	The Neptune	95
13	The Galaxies	96
14	Clusters of Galaxies	97
15	The Expanding Universe	98
16	The Doppler Effect	98
4	THE UNCERTAINTY PRINCIPLE AND THE HOLY QUR'AN 	104
1	The Uncertainty Principle	105
2	Applications of Uncertainty Principle	111
3	Consequences of Uncertainty Principle	113
4	Uncertainty Principle in the light of the Holy Qur'an	114

CHAPTER	DESCRIPTION	PAGE NO.
5	INTRODUCTION TO ELEMENTARY PARTICLES AND THE HOLY QUR'AN 	116
1	Elementary Particle Physics	117
2	Four Fields of Mechanics and Elementary Particles	118
3	Sources of Elementary Particles	119
4	Elementary Particles Detectors	120
5	Units in Elementary Particle Physics	120
6	The Spin of Particles	122
7	Elementary Particles	123
8	Particles and their Discoveries	124
9	Strange Particles	135
10	Particles Interactions and Conservation Laws	136
11	Classification of Particles	140
12	The quark model (1964)	142
13	Confinement of Quarks	143
14	Fourth Quark – Charmed Quark	144
15	Fifth and Sixth Quarks	145
16	Intermediate Vector Bosons	146
17	Gluons	147
18	Total Number of Elementary Particles	148

CHAPTER	DESCRIPTION	PAGE NO.
19	Particles in the light of the Holy Qur'an	149
6	FUNDAMENTAL FORCES AND THEIR UNIFICATION SCHEMES AND THE HOLY QUR'AN 	153
1	Gravitational Force	154
2	Electromagnetic Force	155
3	Strong Nuclear Force	158
4	Weak Nuclear Force	162
5	Unification of Forces of Nature	166
6	Forces of Nature in the Light of The Holy Qur'an	169
7	Gravitational force	170
8	Electromagnetic Force	171
9	Strong Nuclear Force	172
10	Weak Nuclear Force	175
7	BLACK HOLES AND THE HOLY QUR'AN 	177
1	Stars Formation or Evolution of Stars	178
2	Black Holes	180
3	Rotating Black Holes	182

CHAPTER	DESCRIPTION	PAGE NO.
4	Non-Rotating Black Holes	183
5	Stellar-Mass Black Holes	183
6	Primordial Black Holes.	184
7	Evaporation of Black Holes	185
8	The Evidence for Existence of Black Holes	187
9	Black Holes in the Light of The Holy Qur'an	188
8	ORIGIN OF THE UNIVERSE & THE HOLY QUR'AN	192
1	Origin of The Universe	193
2	Formation of Galaxies, Stars and Planets	197
3	The Weak Anthropic Principle	199
4	The Strong Anthropic Principle	200
5	Objections Against the Anthropic Principle	200
6	Qur'anic Support in Favour of Anthropic Principle	201
7	Creation From "Nothing"	203
8	Origin of The Universe in The Light of The Holy Qur'an	204

CHAPTER	DESCRIPTION	PAGE NO.
	FATE OF THE UNIVERSE AND THE HOLY QUR'AN 	213
1	Fate of The Universe	214
2	Steady State Theory	214
3	The Cyclic Universe Model	215
4	The Cyclic Universe Model and Superstring Theory	216
5	Fate of The Universe in The Light of The Holy Qur'an	217
6	The Smoke	223

	REFERENCES	226
	APPENDICES	229
A	Appendix-A	229
A	Doppler Effect	234
B	Appendix-B	236
B	Black Body Radiation	236
C	Appendix-C	243
C	Dark Matter	243
C	Dark Energy	244

