

FACULTY OF ALLIED HEALTH SCIENCES
VINAYAKA MISSION'S RESEARCH FOUNDATION
CBCS Pattern Syllabus For B.Sc.Radiotherapy Technology
For the students admitted from the academic year 2022-2023 batch and onwards

S. No	COURSE CODE	COURSE TITLE	L	T	P/CR	C	Hrs/Sem
SEMESTER – I							
Theory							
1	BRTAEC01	General Psychology	2	0	0	2	30
2	BRTSEC01	To be chosen by student	2	0	0	2	30
3	BRTCT01	General Anatomy	4	0	0	4	60
4	BRTCT02	General Physiology	4	0	0	4	60
5	BRTCT03	General Biochemistry	4	0	0	4	60
Practical							
1	BRTCL01	General Anatomy	0	0	1	1	30
2	BRTCL02	General Physiology	0	0	1.5	1.5	45
3	BRTCL03	General Biochemistry	0	0	1.5	1.5	45
SEMESTER II							
Theory							
1	BRTAEC02	Basic Food and Nutrition	2	0	0	2	30
2	BRTSEC02	To be chosen by student	2	0	0	2	30
3	BRTCT04	General Microbiology	4	0	0	4	60
4	BRTCT05	General Pathology	4	0	0	4	60
5	BRTCT06	General Pharmacology	4	0	0	4	60
Practical							
1	BRTCL04	General Microbiology	0	0	1.5	1.5	45
2	BRTCL05	General Pathology	0	0	1.5	1.5	45
3	BRTCL06	General Pharmacology	0	0	1	1	30
SEMESTER III							
Theory							
1	BRTAEC03	Environmental Sciences	2	0	0	2	30
2	BRTSEC03	To be chosen by student	2	0	0	2	30
3	BRTCT07	Basic Physics of Radiology	4	0	0	4	60
4	BRTCT08	Principles of Radiotherapy	4	0	0	4	60
5	BRTCT09	Radiotherapy Techniques I	4	0	0	4	60
Practical							
1	BRTCL07	Principles of Radiotherapy	0	0	2	2	60
2	BRTCL08	Clinical Radiotherapy I	0	0	2	2	60
SEMESTER IV							
Theory							
1	BRTSEC04	To be chosen by student	2	0	0	2	30
2	BRTCT10	Radiation Physics	4	0	0	4	60
3	BRTCT11	Tumor Pathology and Radiotherapy	4	0	0	4	60

		Applications					
4	BRTCT12	Radiotherapy Techniques II	4	0	0	4	60
Practical							
1	BRTCR01	Clinical Rotation	0	0	8	8	240
SEMESTER V							
Theory							
1	BRTSEC05	To be chosen by student	2	0	0	2	30
2	BRTDSE01	Radiotherapy Equipment I	4	0	0	4	60
3	BRTDSE02	Recent Advances in Radiotherapy Techniques	4	0	0	4	60
4	BRTDSE03	Patient care relevant in Radiotherapy	4	0	0	4	60
Practical							
1	BRTCR02	Clinical Rotation	0	0	8	8	240
SEMESTER VI							
Theory							
1	BRTSEC06	To be chosen by student	2	0	0	2	30
2	BRTDSE04	Radiotherapy Equipment II	4	0	0	4	60
3	BRTDSE05	Biological effects of radiation and Radiation Safety	4	0	0	4	60
4	BRTDSE06	Quality Assurance in Radiotherapy	4	0	0	4	60
Practical							
1	BRTCR03	Clinical Rotation	0	0	8	8	240
FOURTH YEAR							
Internship			0	0	20	20	600
Dissertation and Viva voce			0	0	6	6	180