

DR. C.V. RAMAN UNIVERSITY

KARGI ROAD, KOTA BILASPUR (C.G.)

SELF LEARNING MATERIAL (SLM) DEATAIL

FACULTY OF SCIENCE

M.SC. MATHS

COURSE CODE	COURSE NAME	REFERENCE BOOK	SLM APPROVAL DATE	PREPARED BY	UPDATEION 1	UPDATEION 2
1MSCM1	ADVANCED ABSTRACT ALGEBRA-I	· J.N. SHARMA AND A.R. VASISHTHA, ABSTRACT ALGEBRA, KRISHAN PRAKASHAN MEDIA (P) LTD. MEERUT, DELHI. • DR. H.K. PATHAK, ADVANCED ABSTRACT ALGEBRA, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSCM2	REAL ANALYSIS-I	• P.K. JAIN & S.K. KAUSHIK, AN INTRODUCTION TO REAL ANALYSIS, S.CHAND & CO. NEW DELHI. • DR. H.K. PATHAK, REAL ANALYSIS, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSCM3	TOPOLOGY-I	• J.N. SHARMA, TOPOLOGY, KRISHANPRAKASHAN MEDIA (P) LTD. MEERUT DELHI. • DR. H.K. PATHAK, TOPOLOGY, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSCM4	COMPLEX ANALYSIS-I	• V.S.TYAGI, FUNCTIONS OF A COMPLEX VARIABLE, KEDARNATHRAMANATH DELHI. • DR. H.K. PATHAK, COMPLEX ANALYSIS, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCM1	ADVANCED ABSTRACT ALGEBRA-II	• J.N. SHARMA & A.R.VASISHTHA, ABSTRACT ALGEBRA, KRISHAN PRAKASHAN MEDIA (P) LTD. MEERUT , DELHI. • DR. H.K PATHAK, ADVANCED ABSTRACT ALGEBRA, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCM2	REAL ANALYSIS-II	• P.K. JAIN & S.K. KAUSHIK, AN INTRODUCTION TO REAL ANALYSIS, S.CHAND & CO. NEW DELHI. • DR. H.K. PATHAK, REAL ANALYSIS, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCM3	TOPOLOGY-II	• J.N. SHARMA, TOPOLOGY, KRISHANPRAKASHAN MEDIA (P) LTD. MEERUT DELHI. • DR. H.K. PATHAK, TOPOLOGY, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCM4	COMPLEX ANALYSIS-II	• V.S.TYAGI, FUNCTIONS OF A COMPLEX VARIABLE, KEDAR NATH RAMANATH DELHI. • DR. H.K. PATHAK, COMPLEX ANALYSIS, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCM1	FUNCTIONAL ANALYSIS-I	· J.N. SHARMA AND A.R. VASISHTHA, FUNCTIONAL ANALYSIS, KRISHAN PRAKASHAN MEDIA (P) LTD. MEERUT, DELHI. • DR. H.K. PATHAK, FUNCTIONAL ANALYSIS, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCM2	INTEGRAL TRANSFORM-I	• D.C.AGRAWAL, ADVANCE INTEGRAL TRANSFORMS,	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		• GOEL & GUPTA, INTEGRAL CALCULUS,	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

3MSCM3	SPECIAL FUNCTIONS-I	• J.N.SHARMA, SPECIAL FUNCTION, PRAGATIPRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		• H.K. PATHAK, SPECIAL FUNCTION, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCM4	ELECTIVE-I ADVANCE DISCRETE MATHEMATICS	• H.K. PATHAK, ADVANCE DISCRETE MATHEMATICS, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSCM1	FUNCTIONAL ANALYSIS-II	J.N. SHARMA AND A.R. VASISHTHA, FUNCTIONAL ANALYSIS, KRISHAN PRAKASHAN MEDIA (P) LTD. MEERUT, DELHI. DR. H.K. PATHAK, FUNCTIONAL ANALYSIS, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSCM2	INTEGRAL TRANSFORM-II	• D.C.AGRAWAL, ADVANCE INTEGRAL TRANSFORMS,	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		• GOEL & GUPTA, INTEGRAL CALCULUS,	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSCM3	SPECIAL FUNCTIONS-II	• J.N.SHARMA, SPECIAL FUNCTION, PRAGATIPRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		• H.K. PATHAK, SPECIAL FUNCTION, SHIKSHA SAHITYA PRAKASHAN, MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSCM4	ELECTIVE-II OPERATIONS RESEARCH	• P.K.GUPTA & D.S.HIRA, OPERATIONS RESEARCH S.CHAND & COMPANY LTD. • R.K. GUPTA, OPERATIONS RESEARCH, KRISHNA PUBLIC HOUSE.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

M.Sc.CHEMISTRY

COURSE CODE	COURSE NAME	REFERENCE BOOK	SLM APPROVAL DATE	PREPARED BY	UPDATEION 1	UPDATEION 2
1MSC1	INORGANIC CHEMISTRY.-I	J H. HUHEEY, INORGANIC CHEMISTRY – PRINCIPAL, STRUCTURE AND REACTIVITY, HRPER AND ROW PUBLISHER, INC. YORK (1992) • J.D. LEE, CONCISE INORGANIC CHEMISTRY, ELBA WITH CHAPMAN AND HALL, LONDON • F.A. COTTON, R.G. WILKINSON. ADVANCED INORGANIC CHEMISTRY • CHAKRABURY,SOLD STATE CHEMISTRY, NEW AGE INTERNATIONAL SCIENCE E BOOKS • INORGANIC CHEMISTRY VOL 1&2 GURDEEP RAJ, GOAL PUBLICATION. • INORGANIC CHEMISTRY- R. SARKAR (VOL.I-II), NEW CENTRAJ BOOK AGENCY.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSC2	ORGANIC CHEMISTRY.-I	MECHANISM AND STRUCTURE IN ORGANIC CHEMISTRY (HOLT REINH.) B.S. GOULD. • ORGANIC REACTION MECHANISM (MCGRAW-HILL) R.K. BANSAL. • REACTION MECHANISM IN ORGANIC CHEMISTRY- S.M. MUKHARJI AND S.P. SINGH • STEREOCHEMISTRY BY P.S. KALSI (NEW AGE INTERNATIONAL) • REACTION AND REAGENT O.P. AGRAWAL • ORGANIC CHEMISTRY – JAGDAMBA SINGH PRAGATI PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSC3	PHYSICAL CHEMISTRY-I	TEXT BOOK OF PHYSICAL CHEMISTRY- S. GLASSTONE • PHYSICAL CHEMISTRY- G.M. BARROW, TATA-MCGRAW HILL, VTH EDITION, 2003 • PHYSICAL CHEMISTRY- G.K. VEMULAPALLI, PRENTICE-HALL OF INDIA, 1997.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

1MSC4	ANALYTICAL CHEMISTRY-I	ANALYTICAL CHEMISTRY : (J.W) G.D. CHRISTAIN • INSTRUMENTAL METHODS OF ANALYSIS : CHATWAL AND ANAND • INSTRUMENTAL METHODS OF INORGANIC ANALYSIS (ELBS) : A.I. VOGEL • INSTRUMENTAL METHODS OF ANALYSIS (CBS)- H.H. WILLARD, L.L. MIRRIT, J.A. DEAN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSC5	LAB-INORGANIC CHEMISTRY.-I	• A TEXT BOOK OF QUANTITATIVE INORGANIC ANALYSIS-A.I.VOGEL. • EXPERIMENTAL INORGANIC CHEMISTRY-W.G.PALMER. • THE ANALYSIS OF MINERALS AND ORES OF THE RARER ELEMENTS-W.R.SCHOELLER AND A.R.POWELL, CHARLES, GRIFFIN AND COMPANY LTD. • PRACTICAL INORGANIC CHEMISTRY, GURDEEP RAJ, GOAL PUBLICATION	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSC6	LAB-ORGANIC CHEMISTRY.-I	•A TEXT BOOK OF QUANTITATIVE INORGANIC ANALYSIS-A.I.VOGEL. • EXPERIMENTAL INORGANIC CHEMISTRY-W.G.PALMER. • PRACTICAL PHYSICAL CHEMISTRY, A.M.JAMES AND F.E.PRICHARD LONGMAN • PRACTICAL PHYSICAL CHEMISTRY, GURDEEP RAJ, GOAL PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSC1	INORGANIC CHEMISTRY - II	• J H HUHEEY, INORGANIC CHEMISTRY - PRINCIPLES,STRUCTURE AND REACTIVITY, HARPER AND ROW PUBLISHER, INC NEW YORK (1972) • J.D. LEE, CONCISE INORGANIC CHEMISTRY, ELBS WITH CHAMPAN AND HALL, LONDON • T.S. SWAIN AND D.S.T. BLACK ORGANOMETALLIC CHEMISTRY • F.A. COTTON, R.G. WILKINSON. ADVANCED INORGANIC CHEMISTRY	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSC2	ORGANIC CHEMISTRY.-II	MODERN SYNTHETIC REACTIONS- (BENJAMIN) H.O. HOUSE. • PRINCIPLES OF ORGANIC SYNTHESIS- (METHUEN) R.O. C. NORMAN • ORGANIC CHEMISTRY (LONGMAN) VOL.I & VOL. II- FINAR • ADVANCED ORGANIC CHEMISTRY 2ND ED. R R. CAREY AND R.J. SUNDBURG.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSC3	PHYSICAL CHEMISTRY-II	PHOTOCHEMISTRY- J.G. CALVERTS AND J.N. PITTS, JOHN- WILEY & SONS • FUNDAMENTALS OF PHOTOCHEMISTRY- K. K. ROHATGI-MUKHARJII, WILEY EASTERN • ADVANCED PHYSICAL CHEMISTRY- GURDEEP RAJ, GOEL PUBLISHING HOUSE	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSC4	ANALYTICAL CHEMISTRY-II	ADVANCED PHYSICAL CHEMISTRY- GURDEEP RAJ, GOEL PUBLISHING HOUSE • SPECTROSCOPIC METHODS IN ORGANIC CHEMISTRY- D.H. WILLIAMS AND I. FLEMING • ABSORPTION SPECTROSCOPIC OF ORGANIC MOLECULES- V.M. PARIKH • APPLICATIONS OF SPECTROSCOPIC TECHNIQUES IN ORGANIC CHEMISTRY- P.S. KALSI	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSC5	LAB-ORGANIC CHEMISTRY.-II	VOLEL'S TEXTBOOK OF QUANTITATIVE ANALYSIS, REVISED, J. BASSELL, R.C. DENNEY, G.H.. JAFFERY AND J. METHAM, ELBS. • EXPERIMENTS AND TECHNIQUES IN ORGANIC CHEMISTRY, D. PASTO, C. JOHNSON AND M. MILLER, PRENTICE. HALL • VOLGEL'S TEXTBOOK OF PRACTICAL CHEMISTRY, A.R. TATCHALL, JOHN WILLEY • EXPERIMENTAL PHYSICS CHEMISTRY R.C. DAS AND BEHER, TATA MCGRAW HILL.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
MSC6	LAB-ANALYTICAL CHEMISTRY- II	VOLEL'S TEXTBOOK OF QUANTITATIVE ANALYSIS, REVISED, J. BASSELL, R.C. DENNEY, G.H.. JAFFERY AND J. METHAM, ELBS. • EXPERIMENTS AND TECHNIQUES IN ORGANIC CHEMISTRY, D. PASTO, C. JOHNSON AND M. MILLER, PRENTICE. HALL • VOLGEL'S TEXTBOOK OF PRACTICAL CHEMISTRY, A.R. TATCHALL, JOHN WILLEY • EXPERIMENTAL PHYSICS CHEMISTRY R.C. DAS AND BEHER, TATA MCGRAW HILL.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSC1	APPLICATION OF SPECTROSCOPY	• V.M. PARIKH, APPLICATION SPECTROSCOPY OF ORGANIC MOLECULES. (MEHATA • SILVERSTEIN AND BASALLAR, SPECTROSCOPIC METHODS OF ORGANIC COMPOUND. • P.S. KALSI SPECTROSCOPE OF ORGANIC COMPOUNDS (NEW AGE PUBLISHER) • J.R. DYER. APPLICATION OF ABSORPTION SPECTROSCOPY OF ORGANIC COMPOUNDS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

3MSC2	BIO-ORGANIC & BIO-INORGANIC CHEMISTRY	EICHHORN: INORGANIC BIOCHEMISTRY : VOL I,2 ELSEVIER • WILLIAMS: AN INTRODUCTION TO BIOINORGANIC CHEMISTRY, C.C. THOMOS SPRING III • BIOCHEMISTRY, L. STRYER, W.H. FREEMAN. • BIOCHEMISTRY, VOET AND VOET, JOHN WILEY.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSC3	ELECTIVE-I	K. VENKATARAMAN: CHEMISTRY OF SYNTHETIC DYES VOL- 1TO 7 • K. H. BUCHEL: CHEMISTRY OF PESTICIDES • R. CLEYMLIN: PESTICIDES • SHASHI CHAWLA, ENGINEERING CHEMISTRY, DHANPAT RAI AND CO (P) LTD	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSC4	ELECTIVE-II	• BURGER : MEDICINAL CHEMISTRY • A. KAR : MEDICINAL CHEMISTRY (WILEY EAST) • WILSON, GISVOLD & DORQUE: TEXT BOOK OF ORGANIC MEDICAL AND PHARMACEUTICAL CHEMISTRY	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSC5	LAB GENERAL	N.N. GREENWOOD: LONIC CRYSTALS, LATTICE DEFECTS AND NONSTIONCHIOMETRY (BUTTERWORTH'S) • A. R. WEST, SOLID STATE CHEMISTRY • H.V. K KEER, PRINCIPLES OF THE SOLID STATE CHEMISTRY, WILEY EASTERN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSC6	LAB SPECIAL	JONES: ELEMENTARY COORDINATION CHEMISTRY J. WEILY • GRADDON: INTRODUCTION TO COORDINATION CHEMISTRY J. WEILY • DATTA & SHYMLAL ELEMENTS OF MAGNETO CHEMISTRY • F.A. COTTON & R.G. WILLKINSON: ADVANCED INORGANIC CHEM.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSC1	ENVIRONMENTAL CHEMISTRY	• TEXT BOOK OF PHYSICAL CHEMISTRY- S. PHYSICAL CHEMISTRY- G.M. BARROW, TATA-MCGRAW HILL, VTH EDITION, 2003 • PHYSICAL CHEMISTRY- G.K. VEMULAPALLI, PRENTICE-HALL OF INDIA, 1997. • A TEXT BOOK OF PHYSICAL CHEMISTRY- A.S. NEGI- NEW AGE INTERNATIONAL.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSC2	PHOTO CHEMISTRY & SOLID STATE CHEMISTRY	AN INTRODUCTION TO ELECTROCHEMISTRY BY S.GLASSTONE • MODERN ELECTROCHEMISTRY VOL. I & II BY J.O.M. BOCKRIS AND A.K.N.REDDY. • PHYSICAL CHEMISTRY BY S.GLASSTONE • ELECTROLYTIC SOLUTIONS BY R.A.ROBINSON AND R.H.STROKES	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSC3	ELECTIVE-III	APSIMON: THE TOTAL SYNTHESIS OF NATURAL PRODUCTS. • P. D B. MAYO: THE CHEMISTRY OF NATURAL PRODUCTS • P.W. BENTLY: CHEMISTRY OF NATURAL PRODUCTS,	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSC4	ELECTIVE-IV	E.L. ELIL: STEREOCHEMISTRY OF CARBON COMPOUNDS • D. NASIPURI : STEREOCHEMISTRY: OF ORGANIC COMPOUNDS • P.S. KALSI: STEREOCHEMISTRY: CONFORMATION AND MECHANISM.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSC5	PROJECT WORK	• SOLVENT EXTRACTION IN ANALYTICAL A CHEMISTRY BY G.H. MORRISON, F. FRIEISER, JOHN WILEY & SONS, NY • SOVENT EXTRACTION CHEMISTRY, SELKINE AND ALEGAGAWA. • A.I. VOGEL, A TEXT BOOK OF QUANTITATICE INORGANIC ANALYSIS. LONGMANN GREEN.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

B.Sc Bio

COURSE CODE	COURSE NAME	REFERENCE BOOK	SLM APPROVAL DATE	PREPARED BY	UPDATEION 1	UPDATEION 2
1BSC1	HINDI LANGUAGE STRUCTURE - I	[[[k]r]h; r]k d]a]v]e]j L]o]j] e/; i]n]s]k f]g]l]n]h x]F]k v]d]k]n]e]h	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSC2	ENTREPRENEURSHIP DEVELOPMENT	ENTERPRENEURSHIP DEVELOPMENT, K. RAMACHANDRAN, PUBLICATION- TMH PUBLISHERS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

1BSC3	CHEMISTRY-I	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSC4	ZOOLOGY-I	1.UNIFIED ZOOLOGY ACCORDING TO UNIFIED SYLLABUS FOR FIRST YEAR, V.K.TIWARI, SHIVALALAGRAWAL& COMPANY.R.P. 2.UNIFIED ZOOLOGY II YEAR. RAM PRASAD & SONS (HINDI)	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSC5	BOTANY-I	1.A TEXT BOOK OF PRACTICAL BOTANY- BENDRA KUMAR. 2. AN INTRODUCTION TO PRACTICAL BOTANY-DR. S.P.LAL	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC1	ENGLISH LANGUAGE AND INDIAN CULTURE	1 ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC2	DEVELOPMENT OF ENTREPRENEUR	1.ENTREPRENEURSHIP DEVELOPMENT, K. RAMACHANDRAN, PUBLICATION- TMH PUBLISHERS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC3	CHEMISTRY-II	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC4	ZOOLOGY-II	1. UNIFIED ZOOLOGY ACCORDING TO UNIFIED SYLLABUS FOR FIRST YEAR, V.K.TIWARI, SHIVALALAGRAWAL& COMPANY. 2. R.P. UNIFIED ZOOLOGY II YEAR. RAM PRASAD & SONS (HINDI)	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC5	BOTANY-II	1. GENETICS, P.K.GUPTA. 2. TEXT BOOK OF BOTANY, S.B.AGRAWAL, SHIVLALAGRAWAL& COMPANY.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC1	HINDI LANGUAGE AUR SAMVEDENA	हकीर; रक दवेज लो] e/; i nsk fglnh xfk vdkneh	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC2	ENVIRONMENTAL STUDIES	1. ENVIRONMENTAL SCIENCE & ENGINEERING, R.ANANDAN R. KUMARAVELAN, SCITECH PUBLICATION (INDIA)PVT. LTD. 2.ENVIRONMENT & ECOLOGY, DR. J.P.SHARMA, LAXMI PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC3	CHEMISTRY-III	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC4	BOTANY – III	1. S.B.AGRAWAL, EMBRYOLOGY OF ANGIOSPERMS. 2. PLANT ANATOMY, P.C.VASHISTA.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC5	ZOOLOGY-III	1. UNIFIED ZOOLOGY ACCORDING TO UNIFIED SYLLABUS FOR FIRST YEAR, V.K.TIWARI, SHIVALALAGRAWAL& COMPANY. 2. R.P. UNIFIED ZOOLOGY II YEAR. RAM PRASAD & SONS (HINDI)	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC1	ENGLISH LANGUAGE AND SCIENTIFIC TEMPER	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS 2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC2	ENVIRONMENTAL STUDY	1. ENVIRONMENT& ECOLOGY, P.K.PANDEY, GOEL PUBLICATION. 2. ENVIRONMENT & ECOLOGY, DR.J.P.SHARMA, LAXMI PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

4BSC3	CHEMISTRY-IV	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION 2 UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC4	BOTANY-IV	1. TEXT BOOK OF BOTANY VOL. 2, S.B.AGRAWAL, SHIVLALAGRAWAL& COMPANY. 2. TEXT BOOK OF BOTANY VOL. 3, S.B.PANDEY, VIKAS PUBLISHING HOUSE.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC5	ZOOLOGY-IV	1. UNIFIED ZOOLOGY ACCORDING TO UNIFIED SYLLABUS FOR FIRST YEAR, V.K.TIWARI, SHIVALALAGRAWAL& COMPANY. 2. R.P. UNIFIED ZOOLOGY II YEAR, RAM PRASAD & SONS (HINDI)	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC1	HINDI LANGUAGE (BHASHA KAUSHAL AUR SANCHAR SADHAN)	1. संदर्भ पुस्तक – मध्यप्रदेश हिन्दी ग्रंथ अकादमी भोपाल द्वारा प्रकाशित पुस्तक	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC2	COMPUTER & INFORMATION TECHNOLOGY BASICS-I	1. COMPUTER FUNDAMENTALS, 6 TH EDITION PRADEEPK.SINHAPRITISINHA BPB PUBLICATION	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC3	CHEMISTRY-V	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC4	BOTANY-V	1. BIOTECHNOLOGY EXPANDING HORIZONS, B.D.SINGH, KALAYANI PUBLISHERS. 2. BOTANY FOR DEGREE STUDENT, A.C.DUTTA, OXFORD PUBLISHERS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC5	ZOOLOGY-V	1. UNIFIED ZOOLOGY ACCORDING TO UNIFIED SYLLABUS FOR FIRST YEAR, V.K.TIWARI, SHIVALALAGRAWAL& COMPANY. 2. R.P. UNIFIED ZOOLOGY II YEAR, RAM PRASAD & SONS (HINDI)	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC1	ENGLISH LANGUAGE AND ASPECTS OF DEVELOPMENT	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS 2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC2	COMPUTER & INFORMATION TECHNOLOGY BASICS-II	1. COMPUTER FUNDAMENTALS 6 TH EDITION PRADEEP KU. SINHA&PRITISINHA, BPB PUBLICATIONS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC3	CHEMISTRY-VI	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC4	BOTANY-VI	1 ECOLOGY AND ENVIRONMENT, P.D.SHARMA, C.RASTOGI PUBLISHING. 2. TEXT BOOK OF PLANT ECOLOGY, R.S.AMBASTH, C.B. PUBLISHERS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC5	ZOOLOGY-VI	1. UNIFIED ZOOLOGY ACCORDING TO UNIFIED SYLLABUS FOR FIRST YEAR, V.K.TIWARI, SHIVALALAGRAWAL& COMPANY. 2. R.P. UNIFIED ZOOLOGY II YEAR, RAM PRASAD & SONS (HINDI)	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

B.SC MATHS

COURSE CODE	COURSE NAME	REFERENCE BOOK	SLM APPROVAL DATE	PREPARED BY	UPDATEION 1	UPDATEION 2
1BSC1	HINDI LANGUAGE STRUCTURE - I	1. संदर्भ पुस्तक – मध्यप्रदेश हिन्दी ग्रंथ अकादमी भोपाल द्वारा प्रकाशित पुस्तक	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSC2	ENTREPRENEURSHIP DEVELOPMENT	2. ENTERPRENEURSHIP DEVELOPMENT, K. RAMACHANDRAN, PUBLICATION- TMH PUBLISHERS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

1BSC3	CHEMISTRY-I	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSC4	MATHEMATICES-I	1. H.K. PATHAK ALGEBRA & TRIGNOMETRY,GEOMETRY; SHIKSHA SAHITYA A PRAKASHAN,MEERET. 2. P.B. BHATTACHARYA, S.K. JAIN & S.R. NAGPAUL ABSTRACT ALGEBRA, CAMBRIDGE UNIVERSITY.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSC5	PHYSICS-I	1. "MECHANICS" J.C. UPADHYAY, (PRGATI PRAKASAN MEERUT) 2. "MECHANICS" D.S. MATHUR, S. CHAND & CO. DELHI	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC1	ENGLISH LANGUAGE AND INDIAN CULTURE	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS 2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC2	DEVELOPMENT OF ENTREPRENEUR	1. ENTERPRENEURSHIP DEVELOPMENT, K. RAMACHANDRAN, PUBLICATION- TMH PUBLISHERS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC3	CHEMISTRY-II	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC4	MATHS-II	1. P.K. JAIN & S.K. KAUSHIK,AN INTRODUCTION TO REAL ANALYSIS. NEW DELHI. 2. SHANTI NARAYAN, VECTOR CALCULUS,X.CHAND & CO.NEW DELHI	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSC5	PHYSICS-II	1. ELECTROMAGNETIC FIELDS". A.M. PORTIS 2. "PRINCIPLES OF ELECTRICITY AND MAGNETISM" PUGH AND PUGH, INDIA BOOK HOUSE, DELHI.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC1	HINDI LANGUAGE AUR SAMVEDENA	1. संदभ पुस्तक – मध्यप्रदेश हिन्दी ग्रंथ अकादमी भोपाल द्वारा प्रकाशित पुस्तक	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC2	ENVIRONMENTAL STUDIES	1. ENVIRONMENTAL SCIENCE & ENGINEERING, R.ANANDAN R. KUMARAVELAN, SCITECH PUBLICATION (INDIA)PVT. LTD. 2. ENVIRONMENT & ECOLOGY, DR. J.P.SHARMA, LAXMI PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC3	CHEMISTRY-III	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR. M.M.TANDON, SHIVLAL AGRAWAL & COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC4	PHYSICES-III	1."THERMAL PHYSICS" G.G. AGARWAL AND H.P. SINHA, RAM PRASAD & SONS , AGRA. 2. "HEAT AND THERMODYNAMICS" SATYA PRAKASH AND SINGHAL, PRAGATI PRAKASHAN MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSC5	MATHEMATICS-III	1. H.K.PATHAK, CALCULUS & DIFFERENTIAL EQUATION & MECHANICS. 2. B.R. THAKUR, DIFFERENTIAL EQUATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC1	ENGLISH LANGUAGE AND SCIENTIFIC TEMPER	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC2	ENVIRONMENTAL STUDY	1. ENVIRONMENT& ECOLOGY, P.K.PANDEY, GOEL PUBLICATION. 2. ENVIRONMENT & ECOLOGY, DR.J.P.SHARMA, LAXMI PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

4BSC3	CHEMISTRY-IV	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC4	PHYSICES-IV	1. "PHYSICAL OPTICS". A.K. GHATAK, TMH, NEW DELHI. 2. "OPTICS AND ATOMIC PHYSICS" (D.P. KHANDELWAL HIMALAYA PUBLISHING HOUSE, BOMBAY, 1988).	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSC5	MATHEMATICES-IV	1. H.K.PATHAK, ADVANCED CALCULUS, PARTIAL DIFFERENTIAL EQUATION, COMPLEX ANALYSIS & ABSTRACT ALGEBRA. 2. B.R. THAKUR, ADVANCED CALCULUS, PARTIAL DIFFERENTIAL EQUATION, COMPLEX ANALYSIS & ABSTRACT	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC1	HINDI LANGUAGE (BHASHA KAUSHAL AUR SANCHAR SADHAN)	1. संदर्भ पुस्तक – मध्यप्रदेश हिन्दी ग्रंथ अकादमी भोपाल द्वारा प्रकाशित पुस्तक	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC2	COMPUTER & INFORMATION TECHNOLOGY BASICS-I	1.COMPUTER FUNDAMENTALS, 6 TH EDITION PRADEEPK.SINHAPRITISINHA BPB PUBLICATION	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC3	CHEMISTRY-V	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC4	PHYSICS-V	1.UNIFIED CHEMISTRY, DR. M.M.N.TANDON, SHIVLALAGRAWAL& COMPANY. 2.EXPERIMENT & CALCULATIONS IN ENGINEERING CHEMISTRY, DR. S.S. DARA, S.CHAND& COM. LTD.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSC5	MATHEMATICES-V	1. H.K.PATHAK, REAL ANALYSIS, LINEAR ALGEBRA, DISCRETE MATHEMATICS. 2. B.R.THAKUR, REAL ANALYSIS, LINEAR ALGEBRA, DISCRETE MATHEMATICS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC1	ENGLISH LANGUAGE AND ASPECTS OF DEVELOPMENT	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS 2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC2	COMPUTER & INFORMATION TECHNOLOGY BASICS-II	1. COMPUTER FUNDAMENTALS 6 TH EDITION PRADEEP KU. SINHA&PRITISINHA, BPB PUBLICATIONS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC3	CHEMISTRY-VI	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL& COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC4	PHYSICS-VI	1. EXPERIMENTS & CALCULATIONS IN ENGINEERING CHEMISTRY, DR. S.S. DARA, S.CHAND& COMPANY LTD.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSC5	MATHEMETICES-VI	1. "SOLID STATE ELETRONIC DEVICES", B.G.STREETMANN; II ND EDITION (PRENTICE-HALL OF INDIA, NEW DELHI, 1986) 2. "ELECTRONIC DEVICES, CIRCUITS AND APPLICATIONS W.D. STANLEY;" (PRENTICE-HALL, NEW JERSEY, USA,	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

M.SC PHY

COURSE CODE	COURSE NAME	REFERENCE BOOK	SLM APPROVAL DATE	PREPARED BY	UPDATEION 1	UPDATEION 2
1MSCP1	MATHEMATICAL PHYSICS	• MATHEMATICS OF ENGINEERS AND PHYSICISTS (L. A. PIPES), TATA MCGRAW HILL, EDITION • MATHEMATICAL PHYSICS (GUPTA,YADAV&MALLIK),KEDARNATH&RAMNATH PUBLICATION, MEERUT • MATHEMATICAL PHYSICS (H. K. DASS) • MATHEMATICAL PHYSICS (GHATAK, GOYAL&GUHA) • COMPLEX VARIABLE & LAPLACE TRANSFORM (M.R SPIEGEL- SCHAUM SERIES) • MATHAMATICAL PHYSICS (B S RAIPUT)PRAGATIPRAKASHAN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

1MSCP2	CLASSICAL MECHANICS	<ul style="list-style-type: none"> • CLASSICAL MECHANICS (H. GOLDSTEIN), ADDISON WESLEY • CLASSICAL MECHANICS (N. C. RANA & P. S. JOG) • CLASSICAL MECHANICS (LANDAU & LIFSHITZ- PERGAMANN PRESS) • CLASSICAL MECHANICS (SOMMARFIELD), ACADEMIC PRESS • INTRODUCTION TO CLASSICAL MECHANICS (R.G.TAKWALE & P.S. PURANIK) 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSCP3	QUANTUM MECHANICS I	<ul style="list-style-type: none"> • QUANTUM MECHANICS (L. I. SCHIFF) TMH ED.) • INTRODUCTION QUANTUM MECHANIC (PAULING) TMH ED 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSCP4	ELECTRONIC DEVICES	<ul style="list-style-type: none"> • SEMICONDUCTORS DEVICES - PHYSICS TECHNOLOGY (S.M. SZE) WILLEY INDIA PVT. LTD • HAND BOOK OF ELECTRONICS (GUPTA KUMAR) PRAGATI PRAKASHAN • OPTICAL ELECTRONICS (AJOYGHATAK AND THYAGRAJAM) MCMILLAN INDIA LTD • INTEGRATED ELECTRONICS (MILLMAN & HALKIAS) TMH ED. 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSCP5	LAB ELECTRONICS		10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1MSCP6	LAB FIBER OPTICS		10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCP1	QUANTUM MECHANICS II	<ul style="list-style-type: none"> • QUANTUM MECHANICS (L. I. SCHIFF) TMH ED. • ADVANCED QUANTUM MECHANICS (SATYAPRAKASH) KEDARNATH & RAMNATH CO. MEERUT • QUANTUM MECHANICS (B. CRASEMAN AND J. J. POWELL) NAROSA PUB. KOLCATT • RELATIVISTIC QUANTUM MECHANICS (BAJORKEN & DRELL) TMH ED. • MODERN QUANTUM MECHANICS (J.J. SAKURAI) • QUANTUM MECHANICS (MATHEWS AND VENKATESAN) 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCP2	STATISTICAL MECHANICS	<ul style="list-style-type: none"> • STATISTICAL AND THERMAL PHYSICS (F. REIF) TMH ED. • STATISTICAL MECHANICS (K. HUANG) TMH ED. • STATISTICAL MECHANICS (R. K. PATHRIA) • STATISTICAL MECHANICS (ALLIS & HERLING) TMH ED. • STATISTICAL PHYSICS (S. K. SINHA) NAROSA PUB. KOLCATT 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCP3	SOLID STATE PHYSICS		10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCP4	ATOMIC & MOLECULAR PHYSICS	<ul style="list-style-type: none"> • INTRODUCTION TO ATOMIC SPECTRA (H.E. WHITE) TMH ED. • FUNDAMENTAL OF MOLECULAR SPECTROSCOPY (C.B. BANWELL) TMH ED. • APPLICATION OF SPECTROSCOPY (H. KAUR) • INTRODUCTION TO MOLECULAR SPECTROSCOPY (G.M. BARROW) TMH ED. • THE ATOMIC NUCLEUS (EVANS) TMH ED. • MOLECULAR SPECTROSCOPY (JEANNE L AND MCHALE) • MOLECULAR SPECTROSCOPY (J.M. BROWN) • ATOMIC & MOLECULAR SPECTRA (RAJKUMAR) KEDARNATH AND RAMNATH CO. MEERUT 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCP5	LAB- SSP & AE		10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2MSCP6	LAB-LASER & SPECT.		10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

3MSCP1	CONDENSED MATTER PHYSICS	<ul style="list-style-type: none"> • SOLID STATE PHYSICS (C. KITTLE) JOHN WILEY PUB. • SEMICONDUCTOR DEVICES(S.M. SZE) JOHN WILEY PUB. • INTRODUCTION TO SOLID STATE PHYSICS (L.V. AZAROFF) • CRYSTALLOGRAPHIC SOLID STATE PHYSICS (VERMA&SRIVASTAVA) • SOLID STATE PHYSICS (A.J. DEKKER) 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCP2	NUCLEAR & PARTICLE PHYSICS	<ul style="list-style-type: none"> • ELEMENTS OF NUCLEAR PHYSICS (PANDYA&YADAV)KEDARNATH AND RAMNATH CO. MEER • INTRODUCTION TO MODERN PHYSICS(RICHTMYER, KENNARD AND COOPER) TMH ED. 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		<ul style="list-style-type: none"> • NUCLEAR PHYSICS (I KAPLON)• NUCLEAR PHYSICS (ROY & NIGAM) • NUCLEAR PHYSICS (S.N. GHOSHAL)S. CHAND CO. LTD. • NUCLEAR PHYSICS(D.C.TAYAL) HIMALAYA PUB. HOUSE MUMBAI 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCP3	ELECTRODYNAMICS	<ul style="list-style-type: none"> •INTRODUCTION TO ELECTRODYNAMICS(DAVID J. GRIFFITHS)PHIPVT. LTD • PLASMA PHYSICS (F.F. CHEN) • ELECTRODYNAMICS (GUPTA, KUMAR, SINGH)PRAGATIPRAKASHAN • PLASMA STATE AND MATTER (SEN)PRAGATIPRAKASHAN • CLASSICAL ELECTRODYNAMICS (JACKSON) • CLASSICAL ELECTRICITY AND MAGNETISM (PAMOLSKY& PHILIPS) 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCP4	DIGITAL ELECTRONICS & MICROPROCESSOR	<ul style="list-style-type: none"> • MODERN DIGITAL ELECTRONICS(R.P.JAIN)TMH ED. • MICROWAVE DEVICES & CIRCUITS (S.Y. LIO)PEARSON • MICROWAVE DEVICES & RADAR ENGINEERING (KULKARNI) • DIGITAL PRINCIPLES & APPLICATIONS (MALVINO& LEECH) • MICROPROCESSOR ARCHITECTURE, PROGRAMMING& APPLICATIONS WITH 8085/8086(R. S. GAONKER) 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCP5	LAB-DE & CUMM.		10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3MSCP6	LAB- NUC. PHY. & MICROP		10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSCP1	COMPUTATIONAL METHODS & PROGRAMMING	<ul style="list-style-type: none"> • INTRODUCTION METHOD OF NUMERICAL ANALYSIS (SASTRY) • NUMERICAL ANALYSIS (RAJARAMAN) • PROGRAMMING WITH C (GOTTFRIED) • PROGRAMMING WITH C (BALAGURUSWAMY) • NUMERICAL ANALYSIS (BALAGURUSWAMY) • NUMERICAL RECIPES PRESS AND FLANNERY(VETTERMINGTEUKOLSKY) 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSCP2	MATERIAL SCIENCE	<ul style="list-style-type: none"> • INTRODUCTION TO SOLIDS(L. V. AZAROFF) • INTRODUCTION TO SOLID STATE PHYSICS (C. KITTLE)JOHN WILEY • MATERIAL SCIENCE AND ENGINEERING (V. RAGHAWAN)PHI LEARNING PVT. LTD. • DIFFUSION KINETICS FOR ATOMS IN CRYSTALS(MANNING) • THEORETICAL SOLID STATE PHYSICS (HUANG) • MATERIAL SCIENCE AND ENGINEERING (TRIPATHI, PADHY & PANDA) SCITECH PUB. CHENNAI 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4MSCP3	PLASMA PHYSICS	<ul style="list-style-type: none"> • CONTROLLED FUSION(F.F.CHEN-VOLUME-I) • INTRODUCTION TO PLASMA THEORY(D.R. NICHOLSON) • THE PLASMA STATE (J.L.SHOHET) 	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

4MSCP4	ELECTIVE PAPER- ATMOSPHERIC SCIENCE/ PHYSICS OF NANO MATERIALS/ENVIRONMENTAL PHYSICS/COMMUNICATION ELECTRONICS/COMPUTER ARCHITECTURE, NETWORKING & ASSEMBLY LEVEL PROGRAMMING	PHYSICS OF SEMICONDUCTOR NANO STRUCTURES- K.P.JAIN; NAROSA 1997. • NONTECHNOLOGY : MOLECULAR SPECULATIONS ON GLOBAL ABUNDANCE;- B.C.CRANDALL, MIT PRESS 1996. • NANOPARTICLES AND NANOSTRUCTURES FILMS: PREPARATION CHARACTERIZATION AND APPLICATION ED. J.H.FENDLER, JOHN WILEY & SONS 1998.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

B.S.C. CS

COURSE CODE	COURSE NAME	REFERENCE BOOK	SLM APPROVAL DATE	PREPARED BY	UPDATEION 1	UPDATEION 2
1BSCCS1	HINDI LANGUAGE STRUCTURE -I	1- HKKJRH;RK DSA VEJ LOJ] E/; IZNS'K FGUNH XZAFK VDKNEH	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSCCS2	ENTREPRENEURSHIP DEVELOPMENT	2. ENTERPRENEURSHIP DEVELOPMENT, K. RAMACHANDRAN, PUBLICATION- TMH PUBLISHERS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSCCS3	PHYSICS-I	1 "MECHANICS" J.C. UPADHYAY, (PRGATI PRAKASAN MEERUT) 2. "MECHANICS" D.S. MATHUR, S. CHAND & CO. DELHI	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSCCS4	FUNDAMENTAL OF COMPUTING	COMPUTER FUNDAMENTALS 6 TH EDITION PRADEEP KU. SINHA & PRITI SINHA, BPB PUBLICATIONS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
1BSCCS5	MATHEMATICS-I	1. H.K. PATHAK ALGEBRA & TRIGNOMETRY, GEOMETRY; SHIKSHA SAHITYA A PRAKASHAN, MEERET. 2.P.B. BHATTACHARYA, S.K. JAIN & S.R. NAGPAUL ABSTRACT ALGEBRA, CAMBRIDGE UNIVERSITY.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSCCS1	ENGLISH LANGUAGE AND INDIAN CULTURE	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS 2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSCCS2	DEVELOPMENT OF ENTREPRENEUR	1. ENTERPRENEURSHIP DEVELOPMENT, K. RAMACHANDRAN, PUBLICATION- TMH PUBLISHERS.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSCCS3	PHYSICS-II	1. ELECTROMAGNETIC FIELDS". A.M. PORTIS 2. "PRINCIPLES OF ELECTRICITY AND MAGNETISM" PUGH AND PUGH, INDIA BOOK HOUSE, DELHI.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSCCS4	PROGRAMMING WITH C	1.YASHWANTKANETKAR, <i>EXPLORING</i> – BPB PUBLICATIONS, NEW DELHI.. 2. SALARIA RS, APPLICATION PROGRAMMING IN C, KHANNA BOOK PUBLISHING CO (P) LTD. NEW DELHI.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
2BSCCS5	MATHEMATICS -II	1. P.K. JAIN & S.K. KAUSHIK, AN INTRODUCTION TO REAL ANALYSIS. NEW DELHI. 2. SHANTI NARAYAN, VECTOR CALCULUS, X.CHAND & CO. NEW DELHI	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSCCS1	HINDI LANGUAGE AUR SAMVEDENA	1- FGUNH HKK"KK ,O LAOSNUK] E/; IZNS'K FGUNH XZAFK VDKNEH	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSCCS2	ENVIRONMENTAL STUDIES-I	1. ENVIRONMENTAL SCIENCE & ENGINEERING, R.ANANDAN R. KUMARAVELAN, SCITECH PUBLICATION (INDIA)PVT. LTD. 2. ENVIRONMENT & ECOLOGY, DR. J.P.SHARMA, LAXMI PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

3BSCCS3	PHYSICS-III	1. "THERMAL PHYSICS" G.G. AGARWAL AND H.P. SINHA, RAM PRASAD & SONS , AGRA. 2. "HEAT AND THERMODYNAMICS" SATYA PRAKASH AND SINGHAL, PRAGATI PRAKASHAN MEERUT.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSCCS4	DATA STRUCTURE	1. "DATA STRUCTURE" OUTLINE SERIES [TMH]. ISBN-0-07-060168-2 2. TENENBAUM, " DATA STRUCTURES USING C AND C++", SECOND EDITION, PRENTICE HALL INDIA, NEW DELHI. ISBN-81317-0328-2	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
3BSCCS5	MATHEMATICS -III	1. H.K.PATHAK, CALCULUS & DIFFERENTIAL EQUATION & MECHANICS. 2. B.R. THAKUR, DIFFERENTIAL EQUATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSCCS1	ENGLISH LANGUAGE AND SCIENTIFIC TEMPER	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
		2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSCCS2	ENVIRONMENTAL STUDY-II	1. ENVIRONMENT & ECOLOGY, P.K.PANDEY, GOEL PUBLICATION. 2. ENVIRONMENT & ECOLOGY, DR.J.P.SHARMA, LAXMI PUBLICATION.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSCCS3	PHYSICS-IV	1. INORGANIC CHEMISTRY (PART-I, PART-II), R.L. DUTTA, NBS PUBLICATION. 2. UNIFIED CHEMISTRY, DR.M.M.TANDON, SHIVLALAGRAWAL & COMP.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSCCS4	DBMS	1. ELMASRI & NAVATHE, "FUNDAMENTALS OF DATABASE SYSTEMS", 5TH EDITION, PEARSON EDUCATION. 2. C. J. DATE, "AN INTRODUCTION TO DATABASE SYSTEMS", 8TH EDITION, ADDISON WESLEY N. DELHI.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
4BSCCS5	MATHEMATICS -IV	1. H.K.PATHAK, ADVANCED CALCULUS, PARTIAL DIFFERENTIAL EQUATION, COMPLEX ANALYSIS & ABSTRACT ALGEBRA. 2. B.R. THAKUR, ADVANCED CALCULUS, PARTIAL DIFFERENTIAL EQUATION, COMPLEX ANALYSIS & ABSTRACT	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSCCS1	HINDI LANGUAGE (BHASHA KAUSHAL AUR SANCHAR SADHAN)	1. संदर्भ पुस्तक - मध्यप्रदेश हिन्दी ग्रंथ अकादमी भोपाल द्वारा प्रकाशित पुस्तक	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSCCS2	INTRODUCTION TO COMPUTER SYSTEMS AND CYBER LAW-I	1.COMPUTER FUNDAMENTALS, 6 TH EDITION PRADEEPK.SINHAPRITISINHA BPB PUBLICATION	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSCCS3	PHYSICS-V	1.UNIFIED CHEMISTRY, DR. M.M.N.TANDON, SHIVLALAGRAWAL & COMPANY. 2.EXPERIMENT & CALCULATIONS IN ENGINEERING CHEMISTRY, DR. S.S. DARA, S.CHAND & COM. LTD.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSCCS4	SOFTWARE ENGINEERING	1. SOFTWARE ENGINEERING – A PRACTITIONER’S APPROACH, ROGER S. PRESSMAN, MCGRAW-HILL INTERNATIONAL EDITION, 5TH EDITION, 2001 2. OBJECT ORIENTED MODELLING & DESIGN, REMGAUGH J. BLAHA, M. PREMERALANT, W. EDDY F. AND LORNSEN W. (PHI)	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
5BSCCS5	MATHEMATICS -V	1. H.K.PATHAK, REAL ANALYSIS, LINEAR ALGEBRA, DISCRETE MATHEMATICS. 2. B.R.THAKUR, REAL ANALYSIS, LINEAR ALGEBRA, DISCRETE MATHEMATICS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSCCS1	ENGLISH LANGUAGE AND ASPECTS OF DEVELOPMENT	1. ESSENTIALS OF ENGLISH GRAMMAR BY SULTAN CHAND & SONS 2. ENGLISH GRAMMAR AND COMPOSITION BY WREN & MARTIN	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)

6BSCCS2	INTRODUCTION TO COMPUTER SYSTEMS AND CYBER LAW-II	1. COMPUTER FUNDAMENTALS 6 TH EDITION PRADEEP KU. SINHA&PRITISINHA, BPB PUBLICATIONS	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSCCS3	PHYSICS-VI	1. EXPERIMENTS & CALCULATIONS IN ENGINEERING CHEMISTRY, DR. S.S. DARA, S.CHAND& COMPANY LTD.	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSCCS4	JAVA	1. CAY S. HORSTMANN AND GARY CORNELL, "CORE JAVA: VOLUME I – FUNDAMENTALS", EIGHTH EDITION, SUN MICROSYSTEMS PRESS, 2008.. 2. THOMAS WU, "AN INTRODUCTION TO OBJECT-ORIENTED PROGRAMMING WITH JAVA", FOURTH EDITION, TATA MCGRAW-HILL PUBLISHING COMPANY	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)
6BSCCS5	MATHEMATICS -VI	1. "SOLID STATE ELETRONIC DEVICES", B.G.STREETMANN; II ND EDITION (PRENTICE-HALL OF INDIA, NEW DELHI, 1986). 2. "ELECTRONIC DEVICES, CIRCUITS AND APPLICATIONS W.D. STANLEY;" (PRENTICE-HALL, NEW JERSEY, USA,	10-01-2010	CVRU TEAM	JANUARY. 2013	OCTOBER 2017 (UNDER PROCESS)