

**સરદાર પટેલ યુનિવર્સિટી**  
**યુજીસી, ન્યુ દિલ્હી દ્વારા સૂચવવામાં આવેલ મોડલ કરીક્યુલમ અનુસાર સાયન્સ**  
**વિદ્યાશાખા અંતર્ગત આવતા વિવિધ વિષયોના અભ્યાસક્રમોની સભા**  
**કાર્યનોંધ**

યુનિવર્સિટી દ્વારા શૈક્ષણિક વર્ષ:૨૦૧૭-૧૮થી યુજીસી, ન્યુ દિલ્હી દ્વારા સૂચવવામાં આવેલ મોડલ કરીક્યુલમ અનુસાર સાયન્સ વિદ્યાશાખા અંતર્ગત આવતા વિવિધ વિષયોના અભ્યાસક્રમોમાં જરૂરી ફેરફાર કરવા સ્નાતક તથા અનુસ્નાતક અભ્યાસક્રમોમાં યુજીસી મોડલ કરીક્યુલમની ગાઈડ લાઇન મુજબ તમામ કોર્ષના સ્ટ્રક્ચરને અંતિમ સ્વરૂપ આપવા કિનશ્રીની અધ્યક્ષતામાં વિવિધ બોર્ડ ઓફ સ્ટડીઝના ચેરમેનશ્રીઓની સભાનું આયોજન તારીખ: ૧૪/૧૦/૨૦૧૬ને શુક્રવારના રોજ બપોરે ૧.૦૦ કલાકે યુનિવર્સિટી કાર્યાલયના સેનેટ ખંડમાં મળી હતી.

**સભામાં નીચેના સભ્યશ્રીઓ હાજર રહ્યા હતા:**

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|---------------------|---------------------------|
| (૧) ડૉ. દતા માદમવર  | (૭) ડૉ. એન.વી.શાસ્ત્રી    |
| (૨) ડૉ. ભાવેશ પટેલ  | (૮) ડૉ. બી.પી.દવે         |
| (૩) ડૉ. નિરંજન રોય  | (૯) ડૉ. દિનેશ પટેલ        |
| (૪) ડૉ. મથન કપારીયા | (૧૦) શ્રી નિલેશ વાઘ. પટેલ |
| (૫) ડૉ. વિમલ જોષી   | (૧૧) ડૉ. પી.એમ.ઉડાની      |
| (૬) ડૉ. આર.જી.પટેલ  |                           |

સભાની શરૂઆતમાં કિનશ્રી દ્વારા સર્વે સભ્યોને આવકાર્યા હતા, ત્યારબાદ કિનશ્રીએ સાયન્સ વિદ્યાશાખા અંતર્ગત આવતા સ્નાતક કક્ષાના અભ્યાસક્રમો માટે નીચેના કોર (મુખ્ય) સભ્યોની નિમણૂક તથા વિષયવાર કરવામાં આવી.

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|----------------------------|-----------------------|
| (૧) ડૉ. ભાવેશ પટેલ (આવાહક) | (૫) ડૉ. પી.એમ.ઉડાની   |
| (૨) ડૉ. આર.જી.પટેલ         | (૬) ડૉ. દિનેશ પટેલ    |
| (૩) શ્રી નિલેશ વાઘ. પટેલ   | (૭) ડૉ. ભાવેશ પી. દવે |
| (૪) ડૉ. વિમલ જોષી          |                       |

**Committee for Revising B.Sc. Syllabus**

Deptt. of Computer Science :

Sr.No.	Name	Deptt. / College
1	Dr. P.V. Virparia (C)	Deptt. of Computer Sci. SPUni.
2	Dr. D.B.Choksi	Deptt. of Computer Sci. SPUni.
3	Mr. R.H.Sadhu	V.P. & R.P.T.P. Science College, VVNagar
4	Mr. S.J.Mandavia	M.B.Patel Science College, Anand
5	Mrs. Shreya Bhavsar	N.V.Patel Science College, VVNagar
6	Ms. Amisha Desai	P.M.Patel Insti. Anand

Deptt. of Microbiology :

Sr.No.	Name	Deptt. / College
1	Dr. Bhavesh D. Patel (C)	V.P. & R.P.T.P. Science College, VVNagar
2	Dr. Rakesh Panchal	M.B.Patel Science College, Anand
3	Dr. Akshay Gupte	N.V.Patel Science College, VVNagar
4	Dr. H.N.Patel	V.P. & R.P.T.P. Science College, VVNagar
5	Dr. Ujjaval Trivedi	Deptt. of Biosciences
6	Dr. Shilpaben Jani	J & J Science College, Nadiad
7	Dr. M.S.Mistry	Arts & Science College, Bhadran

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## Deptt. of Biology &amp; Botany :

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2	Dr. A.K.Vishvakarma	V.P. & R.P.T.P. Science College, VVNagar
3	Dr. Ritakumari	N.V.Patel Science College, VVNagar
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5	Dr. B. Natraj	Deptt. of Biosciences
6	Dr. Anjaria	Petlad Science College, Petlad

## Deptt. of Zoology :

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2	Mrs. Medha K. Patel	V.P. & R.P.T.P. Science College, VVNagar
3	Dr. Ishita Desai	N.V.P.A. S., VVNagar
4	T. S. Hakani	M.B.Patel Science College, Anand
5	Mr. Harshad Mandola	P.M.Patel Institute, Anand
6	Prof. A.V.R.L.Acharya	BRD School of Science
7.	Mr. S. B. Patel	J & J College, Nadiad

## Deptt. of Chemistry :

Sr.No.	Name	Deptt. / College
6	Dr. B.P.Dave (Organic) ( C )	M.B.Patel Science College, Anand
2	Mr. B. C. Dixit (Organic)	V.P. & R.P.T.P. Science College, VVNagar
3	Dr. M. K. Valand (Physical)	V.P. & R.P.T.P. Science College, VVNagar
4	Dr. H. R. Maradiya (Organic)	V.P. & R.P.T.P. Science College, VVNagar
5	Dr. Smita Shrivastava (Physical)	N.V.Patel Science College, VVNagar
6	Dr. Sanjar Patel (Inorganic)	J & J College, Nadiad
7	Dr. M.N.Patel (Inorganic)	Deptt. of Chemistry, SPUni.
8	Dr. D.K.Raval (Organic)	Deptt. of Chemistry, SPUni.
9	Mr. Rasagvi Bhatt (Physical)	Borsad Science College, Borsad
10	Dr. Mehul Chhasatiya (Organic)	P.M.Patel Institute, Anand
11	Mr. P.C.Solanki	Arts & Science College, Bhadran

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Sr.No.	Name	Deptt. / College
1	Dr. V.K.Sinha (C)	V.P. & R.P.T.P. Science College, VVNagar
2	Dr. D.K.Raval (Organic)	Deptt. of Chemistry, SPUni.
3	Dr. N..V. Sastri (Physical)	P.G. Chemistry Dept. SPU
4	Dr. P.M.Patel	V.P. & R.P.T.P. Science College, VVNagar
5	Dr. A.G.Shah	N.V.Patel Science College, VVNagar
6	Dr. M. Thomas	ISTAR, Vallabh Vidyanagar
7	Dr. Kalpesh Patel	ISTAR, Vallabh Vidyanagar
8	Dr. M. Raj	ISTAR, Vallabh Vidyanagar

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Sr.No.	Name	Deptt. / College
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2	Dr. R.P.Solanki	V.P. & R.P.T.P. Science College, VVNagar
3	Mr. B. P. Patel	N.V.P.A. S., VVNagar
4	Mr. Niraj Babariya	N.V.P.A. S., VVNagar
5	Mr. D. H. Patel	M.B..Patel Science College, Anand
6	Lakhnotra Sir	J & J College, Nadiad
7	Dr. A. H. Hasmani	Dept. SPU VVN
8	Dr.D. J. Karia	Dept. SPU VVN
9	Mr. M. P. Patel	Arts & Science College Bhadran

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2	Dr. R.M.Joshi	M.B..Patel Science College, Anand
3	Mr. P.B. Patel	Dept of Electronics SPU VVN
4	Himanshu Trivedi	N.V.P.A. S., VVNagar

**Deptt. of Instrumentation :**

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2	Dr. H. N. Kapse	Istar V.V.Nagar
3	D. K. Dhruv	N.V.P.A. S., VVNagar

**Deptt. of Physics :**

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2	Dr. T.H. Patel	V.P. & R.P.T.P. Science College, VVNagar
3	Mr. J. A. Gothi	M.B.Patel Science College Anand
4.	Dr. H. J. Trivedi	N.V.P.A. S., VVNagar
5	Prof.V.M. Pathak	Dept of Physics SPUVVN
6	Mr. Nimesh J. Shah	Borsad Science College
7	Mr. Ashwin Dodiya	Khambhat Science College
8	Dr. R. K. Shah	Arts Science & R A Patel College Bhadran
9.	Dr Jayesh Luhar	M.B.Patel Science College Anand
10	Dr. Tarun Trivedi	Dakor Bhavans

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2	Mr. C. C. Patel	M.B..Patel Science College, Anand
3	Mrs. D. D. Vyas	M.B..Patel Science College, Anand
4	Dr. Ashok Shahanubhoge	Dept. of Statistics, SPUVVN

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	Dr. J.M. Divecha	Dept. of Statistics
	Dr. M.B. Bhatt	Dept. of Statistics
	Dr. D.P. Raykundaliya	Dept. of Statistics
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Master of Philosophy (Computer Science)	Dr. D.B. Choksi	Dept. of Computer Science
Master of Science (Information Technology) (Integrated)	Dr. D.B. Shah	Dept. of Computer Science
	Dr. P.S. Sajja	Dept. of Computer Science
	Mr. B.B.Patel	Dept. of Computer Science
	Mr. J.V.Smart	Dept. of Computer Science
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	Dr. D.B. Choksi	Dept. of Computer Science
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	Miss. Amisha Desai	P.M. Patel college of computer science
	Dr. Maulik Pandya	A.N. Patel P.G. Institute
	Mr. Nayan Patel	B.N. Patel Institute
	Miss Rupal Bhatt	AMCOST

PGDCA	<b>Dr. P.V. Virparia</b>	Dept. of Computer Science
PGDCAA	Dr. D.B.Choksi	Dept. of Computer Science
	Dr. P.S. Sajja	Dept. of Computer Science
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	Mr. Maulik Shah	C.P. Patel & F.H. Shah Commerce college
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Master of Science (Electronics)	Dr. Sunil S. Patel	Dept. of Electronics
	Mr. Paresh Patel	Dept. of Electronics
	Mr. Piyus Laskari	V.P.Science college
	Dr. Ravi Joshi	M.B.Patel Science College
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	Dr. Manthan Kapadia	P.M. Patel Institute of M.Sc. In biotechnology
	Prof. Sarita Gupta	MSU
	Dr. Swat Chakraborty	Senior VP Cadila Pharmaceuticals
Master of Science (Materials Science)	Dr. R.H.Patel (C)	Dept. of Material Science
Master of Science (Nano Science & Nano Technology)	Dr. N.M. Batra	Dept. of Material Science
	Prof. M.P. Patel	Dept. of Chemistry
	Prof. M.P. Deshpande	Dept. of Physics
Master of Philosophy (Mathematics)	Dr. A.H. Hasmani (C)	Dept. of Mathematics
Master of Science (Mathematics)	Dr. G.M. Deheri	Dept. of Mathematics
	Dr. H.S. Mehta	Dept. of Mathematics
	Dr. S.J. Ghevariya	Dept. of Mathematics
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	Mr. B.P. Patel	N.V.Patel Science College
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	Dr. B. C. Dixit	V. P. Science College
	Dr. K. D. Patel	V. P. Science College
Analytical Chemistry	Dr. M.P. Patel	Dept. of Chemistry
	Dr. N.J. Parmar	Dept. of Chemistry
	Dr. K.R. Surti	Dept. of Chemistry
Industrial Chemistry	Dr. Merlin Thomas (C)	ISTAR
	Dr. Jigar Patel	ISTAR
	Dr. N.P.Chikhaliya	Dept. of Chemistry
Organic Chemistry	Dr. D.K.Raval (C)	Dept. of Chemistry
	Dr. H.M.Patel	Dept. of Chemistry
	Dr. N.J.Parmar	Dept. of Chemistry

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Inorganic Chemistry	Dr. M.N.Patel (C)	Dept. of Chemistry
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	Dr. K.H.Patel	Dept. of Chemistry
	Dr. S.S.Soni	Dept. of Chemistry
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	Dr. Ravi Patel	Shri. P.M.Patel Institute of Applied Science.
	Dr. J.D.Patel	A.N. Patel P.G. Institute
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	Dr. Amita R Shah	Dept. of Boscience
	Dr. Ujjval Trivedi	Dept. of Boscience
	Dr. Haresh Keharia	Dept. of Boscience
	Dr. Gopal Rool	
	Dr. Shilpa Gupte	ARIBAS
	Dr. Harshad Patel	VP Science College
	Dr. Rakesh Panchal	M.B.Patel Science College
Master of Science (Biotechnology)	Dr. Ujjval Trivedi (C)	Dept. of Boscience
	Dr. R.B.Subramanian	Dept. of Boscience
	Dr. Haresh Keharia	Dept. of Boscience
	Dr. Niraj Singh	A.N. Patel P.G. Institute
	Dr. Bhakti Vajpayee	PMPatel
	Dr. Raktim Mukharji	ARIBAS
Master of Science (Industrial Biotechnology)	Dr. R.B.Subramanian (C)	Dept. of Boscience
	Dr. Ujjval Trivedi	Dept. of Boscience
	Dr. Datta Madamwar	Dept. of Boscience
	Dr. Haresh Keharia	Dept. of Boscience
Master of Science (Botany)	Dr. Raman Rao (C)	Dept. of Boscience
	Dr. JSS Mohan	Dept. of Boscience
	Dr. R.B. Subramanian	Dept. of Boscience
	Dr. A S Reddy	Dept. of Boscience
	Dr. M. Nataraj	Dept. of Boscience
	Dr. J.P. Patel	V.P.Science College
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	Dr. Sujata Bhatt	Dept. of Boscience
	Dr. Raktim Mukharji	ARIBAS
	Dr. Nikunj Bhatt	V.P.Science College
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	Dr. R.B.Subramanian	Dept. of Bioscience
	Dr. M. Nataraj	Dept. of Bioscience
	Dr. Harshidaben Shah	M B Patel Science College
	Dr. A N Patel	
Master of Science (Physics)	Dr. Urmilaben Patel (C)	Dept. of Physics

Master of Science (Physics)	Dr. P.C.Vinodkumar (C)	Dept. of Physics
	Dr. V.M.Pathak	Dept. of Physics
	Dr. B.Y.Thakore	Dept. of Physics
	Dr. M.P.Deshpande	Dept. of Physics
	Dr. P.M.Patel	V.P.Science College
	Mrs. Shrilata Nair	
	Mr Chirag Vyas	
Master of Science (Integrated Biotechnology)	Prof. Nilanjan Roy (C)	ARIBAS
	Dr. Manthan	Member
	Prof Sarita Gupta	Subject Expert
	Dr. Bhaswat Chakraborty	Expert from Industry
	Mr. Jeet Patel	Alumni Member/Student Member
	Dr. Raktim Mukherjee	ARIBAS
	Dr. Manthan Kapadia	
Master of Science ( Pharmaceutical Chemistry)	Dr. Ritu Dixit (C)	Convener
	Prof. (Dr.) D.K. Raval	Subject Expert
	Dr. Anil Patel	Expert from Industry
	Mr. Jaimin Bhatt	Alumni Member/ Student Member
Master of Science ( Genetics)	Dr. Jenabhai B. Chauhan (C)	Convener
	Dr. D.N. Rank	Subject Expert
	Dr. R. K. Patel	Expert from Industry
	Mr. Dhaivat M. Shah	Alumni Member/ Student Member
Master of Science ( Forensic Science)	Dr. Kinnari Mistry	Member
	Dr. Ravi Patel	Member

(ISTAR)

Master of Science ( Industrial Chemistry)	Dr. Merlin Thomas	Member
Master of Science ( Polymer Science & Technology)	Dr. M. M. Raj	Member
Master of Science ( Surface Coating Technology)	Dr. Kalpesh L. Patel	Member
Master of Science ( Oil Flats & Waxes)	Dr. Merlin Thomas	Member
Master of Science ( Organic Chemistry)	Dr. Sanjay Panjabi	Member

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Master of Science (Geoinformatics)	Dr. P. M. Udani	Member
Master of Science ( Mobile Technology & Application)	Mrs. S. B. Patel	Member
Master of Science ( Environment Science & Technology)	Dr. Nirmalkumar	Member
Master of Science ( Information Technology)	Mrs. N. K. Jain	Member
Master of Science ( Industrial Hygiene & Safety)	Mr. Bajiu Gee Verghese	Member
Master of Science ( Real Estate Valuation)	Mr. Rupeshkumar T. Shah	Member
Master of Science ( Plant & Machinery Valuation)	Mr. Rupeshkumar T. Shah	Member

સ્નાતક કક્ષાએ આ સાથે સામેલ કોર્ષ સ્ટ્રક્ચર (બિડાણ-૧) તથા વિષયોના ગૃપ (બિડાણ-૨) મુજબ અભ્યાસક્રમોમાં તૈયાર કરવા તથા અનુસ્નાતક કક્ષાના અભ્યાસક્રમોમાં પ્રવર્તમાન માળખા મુજબ જરૂરી ફેરફાર સાથે અભ્યાસક્રમો તૈયાર કરવા ભલામણ કરવામાં આવી.

સભાના અંતે વિજ્ઞાન સભાના ડિનશ્રી દ્વારા દરેક સભ્યોને યુજીસી ગાઇડ લાઇન મુજબ પૂર્વ વિદ્યાર્થીઓ તથા ઇન્ડસ્ટ્રીના નિષ્ણાતોનો અભ્યાસક્રમ બાબતે જરૂરી અભિપ્રાય લઈ રાષ્ટ્રીય કક્ષા લેવલે અભ્યાસક્રમો તૈયાર કરવા અપીલ કરવામાં આવી હતી, ત્યારબાદ સભાનું કામકાજ પૂર્ણ જાહેર કરવામાં આવ્યું હતું.

નંબર: ડી/એ-૧૨/૪૨૪૯(૨)

વલ્લભ વિદ્યાનગર

તારીખ: ૧૬/૧૧/૨૦૧૬

  
મદદનીશ કુલસચિવ

પ્રતિ:

સાયન્સ વિદ્યાશાખા અંતર્ગત આવતા તમામ અભ્યાસ સમિતિના સર્વે સભ્યશ્રીઓ તરફ.

પરીક્ષા વિભાગ તરફ જાણ સારું.

નિયામકશ્રી, કોમ્પ્યુટર સેન્ટર યુનિવર્સિટી વેબસાઇટ પર મૂકવા વિનંતી

## Sardar Patel University

## Scheme- A (To be implemented from June 2017)

## B.Sc./BCA Programme

Type of Course	Course code	Credit	Marks			
			External	Exam Duration	Internal	Total
<b>Semester - I</b>						
Core	C101 (T)	4	70/28	3 hrs	30/8	100/40
	C101 (P)	2	50/20	1 hrs		50/20
Generic Elective	C102 (T)	4	70/28	3 hrs	30/8	100/40
	C102 (P)	2	50/20	1 hrs		50/20
Generic Elective	C103 (T)	4	70/28	3 hrs	30/8	100/40
	C103 (P)	2	50/20	1 hrs		50/20
Ability Enhancement	A101	2	35/14	1 hrs	15/4	50/20
Skill Enhancement	S101	2	35/14	1 hrs	15/4	50/20
	Total Credit	<b>22</b>				
<b>Semester - II</b>						
Core	C111 (T)	4	70/28	3 hrs	30/8	100/40
	C111 (P)	2	50/20	1 hrs		50/20
Generic Elective	C112 (T)	4	70/28	3 hrs	30/8	100/40
	C112 (P)	2	50/20	1 hrs		50/20
Generic Elective	C113 (T)	4	70/28	3 hrs	30/8	100/40
	C113 (P)	2	50/20	1 hrs		50/20
Ability Enhancement	A111	2	35/14	1 hrs	15/4	50/20
Skill Enhancement	S111	2	35/14	1 hrs	15/4	50/20
	Total Credit	<b>22</b>				
<b>Semester - III</b>						
Core	C201 (T)	4	70/28	3 hrs	30/8	100/40
	C201 (P)	2	50/20	1 hrs		50/20
	C202 (T)	4	70/28	3 hrs	30/8	100/40
	C202 (P)	2	50/20	1 hrs		50/20
	C203 (T)	4	70/28	3 hrs	30/8	100/40
	C203 (P)	2	50/20	1 hrs		50/20
	C204 (T)	4	70/28	3 hrs	30/8	100/40
	C204 (P)	2	50/20	1 hrs		50/20
Ability Enhancement	A201	2	35/14	1 hrs	15/4	50/20
Skill Enhancement	S201	2	35/14	1 hrs	15/4	50/20
	Total Credit	<b>28</b>				
<b>Semester - IV</b>						
Core	C211 (T)	4	70/28	3 hrs	30/8	100/40
	C211 (P)	2	50/20	1 hrs		50/20
	C212 (T)	4	70/28	3 hrs	30/8	100/40
	C212 (P)	2	50/20	1 hrs		50/20
	C213 (T)	4	70/28	3 hrs	30/8	100/40



Type of Course	Course code	Credit	Marks			
			External	Exam Duration	Internal	Total
	C213 (P)	2	50/20	1 hrs		50/20
	C214 (T)	4	70/28	3 hrs	30/8	100/40
	C214 (P)	2	35/14	1 hrs	15/4	50/20
Ability Enhancement	A211	2	35/14	1 hrs	15/4	50/20
Skill Enhancement	S211	2	35/14	1 hrs	15/4	50/20
	Total Credit	<b>28</b>				
<b>Semester - V</b>						
Core	C301 (T)	4	70/28	3 hrs	30/8	100/40
	C301 (P)	2	50/20	1 hrs		50/20
	C302 (T)	4	70/28	3 hrs	30/8	100/40
	C302 (P)	2	50/20	1 hrs		50/20
Discipline Specific Elective	D301 (T)	4	70/28	3 hrs	30/8	100/40
	D301 (P)	2	50/20	1 hrs		50/20
	D302 (T)	4	70/28	3 hrs	30/8	100/40
	D302 (P)	2	50/20	1 hrs		50/20
	Total Credit	<b>24</b>				
<b>Semester - VI</b>						
Core	C311 (T)	4	70/28	3 hrs	30/8	100/40
	C311 (P)	2	50/20	1 hrs		50/20
	C312 (T)	4	70/28	3 hrs	30/8	100/40
	C312 (P)	2	50/20	1 hrs		50/20
Discipline Specific Elective	D311 (T)	4	70/28	3 hrs	30/8	100/40
	D311 (P)	2	50/20	1 hrs		50/20
	D312 (T)	4	70/28	3 hrs	30/8	100/40
	D312 (P)	2	50/20	1 hrs		50/20
	Total Credit	<b>24</b>				
<b>Total Credit</b>		<b>148</b>				

**SARDAR PATEL UNIVERSITY**

B.Sc. Programme

Proposed combinations for "A" group students (at entry level)

C1	Physic	Physic	Physic	Physic	Physic	Maths	Maths	Maths	Maths
GE1	Maths	Maths	Maths	Maths	Maths	Physics	Physics	Physics	Physics
GE2	Chemistry	Electronics	Computer science	IT	Industrial Chemistry	Chemistry	Electronics	Computer Science	IT

C1	Electronics	Electronics	Electronics	Computer Science	Computer Science	IT	Chemistry/Industrial Chemistry
GE1	Physics	Computer Science	IT	Physics	Electronics	Electronic	Physics
GE2	Maths	Maths	Maths	Maths	Maths	Physics	Maths

Proposed combinations for "B" group students (at entry level)

C1	Microbiology	Microbiology	Bio Technology	Bio Technology	Microbiology	Bio Technology	Botany	Zoology
GE1	Botany	Zoology	Botany	Zoology	Biology	Biology	Zoology	Botany
GE2	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry	Chemistry

C1	Chemistry/Industrial Chemistry	Chemistry/Industrial Chemistry
GE1	Botany	Biology
GE2	Zoology	Microbiology