

# DR. SARVEPALLI RADHAKRISHNAN GOVERNMENT ARTS COLLEGE

ACCREDITED WITH B+ BY NAAC  
&  
AFFILIATED TO PONDICHERRY UNIVERSITY  
PILLARAYA STREET  
YANAM - 533 464



ACADEMIC PLANNER

2018-2019

PHONE: 0884 - 2324123

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WEBSITE: <http://drsrgacyanam.puducherry.gov.in/>

## ACADEMIC PLANNER

2018-2019

## PERSONAL MEMORANDUM

1. NAME :
2. DEPARTMENT :
3. CLASS :
4. ROLL NUMBER :
5. EXAMINATION REG. NO :
6. DATE OF BIRTH :
7. BLOOD GROUP :
8. ADDRESS :
  
- TELEPHONE :
- Email :
9. ANY OTHER INFORMATION :

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## Profile of the College

Dr. S.R.K. Government Arts College, Yanam was started during the academic year 1973-74. Named after Dr. Sarvepalli Radhakrishnan (1888-1975) who, as an academician, philosopher, and statesman, was one of the most recognized and influential Indian thinkers in academic circles in the 20th century. Radhakrishnan has been held up in academic circles as a representative for his lengthy writing career and his many published works have been most influential.

Education makes us think positively and to elevate dynamic spirit, enhance harmony of humanity and create cultural refinement for building better personality and for bettering the order of society or nation through acquisition of wisdom by inventive and creative power, to light hidden talents and intellectualism, and to bring out excellence to make individual not only complete but also perfect to show the prosperity and verdure of region. With focus on the knowledge-based economy, pioneering efforts are being undertaken by the college to exhibit the talents of our students.

The motto of this college *Education For Human Excellence* emphasizes the altruism that better education makes better mankind and better world through rightly educated and harmoniously developed persons who have love for freedom and values, respect for heritage and culture, inquisitiveness for discovery, invention and innovation, co-existence through tolerance, achievement of peace, progress and excellence through education.

Dr. Sarvepalli Radhakrishnan Government Arts and Science College will remain, in the times to come, the epicentre for promoting quality, improving academic standards and shaping a knowledge-driven economy.

## **COURSES OF STUDY**

### **UNDER- GRADUATE COURSES:**

1. B.A. Economics
2. B.Com.
3. B.Sc. Mathematics
4. B.Sc. Physics
5. B.Sc. Chemistry
6. B.Sc. Zoology
7. B.Sc. Computer Science

### **POST-GRADUATE COURSES**

1. M.A. Economics
2. M.Com.

## FACULTY

### ***PRINCIPAL***

Dr. JEYARAJ DANIEL M.A., D.E.A. (Sorbonne), Ph.D., P.G.D.C.A.

DEPARTMENT OF TELUGU		
S.No	Faculty	Designation
1	Dr. V. BHASKAR REDDY, M.A., M. Phil., Ph.D.	ASSISTANT PROFESSOR & HOD
2	Dr. N. JHANSI RANI, M.A., M. Phil., Ph. D.	ASSISTANT PROFESSOR

DEPARTMENT OF HINDI		
S.No	Faculty	Designation
1	Dr. DHANANJAY SINGH, M.A., M.Phil., Ph.D.	ASSISTANT PROFESSOR & HOD

DEPARTMENT OF ENGLISH		
S.No	Faculty	Designation
1	Dr. K.M.K. CHAKRAVARTHY, M.A., M. Phil, Ph.D.	ASSISTANT PROFESSOR & HOD
2	Dr. C. NARESH M.A., Ph.D.	ASSISTANT PROFESSOR

DEPARTMENT OF COMMERCE		
S.No	Faculty	Designation
1	Dr. YOGINDER SINGH, M.Com., M.B.A., Ph.D.	ASSISTANT PROFESSOR & HOD
2	Dr. R. UMA DEVI, M.Com., M. Phil., B.Ed., Ph.D., M.B.A.	ASSISTANT PROFESSOR
3	Smt. V. SRIDEVI, M.Com., M. Phil.	ASSISTANT PROFESSOR
4	Smt. Sk. KHWAJABI, M.Com., M. Phil.	ASSISTANT PROFESSOR
5	Smt. D. JAYABHARATHI, M.Com., M. Phil., B.Ed.	ASSISTANT PROFESSOR (Consolidated)
6	Sri B.VEERABHADRA RAO, M.Com., M. Phil.	ASSISTANT PROFESSOR (Consolidated)

DEPARTMENT OF ECONOMICS		
S.No	Faculty	Designation
1	Sri K. MANOHARAN, M.A., M. Phil.	ASSOCIATE PROFESSOR & HOD
2	Dr. K. PRASAD, M.A., M. Phil., Ph.D.	ASSISTANT PROFESSOR
3	Sri T. MUTYALU, M.A., M. Phil.	ASSISTANT PROFESSOR
4	Dr. T. SUBBALAKSHMI M.A., M.Phil., Ph.D	ASSISTANT PROFESSOR

DEPARTMENT OF HISTORY		
S.No	Faculty	Designation
1	Dr. T. PRASAD RAO M.A., Ph.D	ASSISTANT PROFESSOR

DEPARTMENT OF POLITICAL SCIENCE		
S.No	Faculty	Designation
1	Sri. RAJESH KUMAR KARNA M.A., M.Phil.	ASSISTANT PROFESSOR

DEPARTMENT OF MATHEMATICS		
S.No	Faculty	Designation
1	Smt. S.KRISHNAVENI, M.Sc., M. Phil.	ASSISTANT PROFESSOR & HOD
2	Sri A.V.V.S. MURTHY, M.Sc., M. Phil., M. Tech.	ASSISTANT PROFESSOR
3	Sri G.G.H.K.S. PRABHAKAR, M.Sc., M. Phil., B.Ed.	ASSISTANT PROFESSOR
4	Dr. M. SUKUMAR M.Sc., Ph.D	ASSISTANT PROFESSOR
5	Sri. M. SHANTHA RAJU M.Sc., M.Phil., M.Tech.	ASSISTANT PROFESSOR

DEPARTMENT OF PHYSICS		
S.No	Faculty	Designation
1	Sri. S. SRINIVAS M.Sc., M.Phil.	ASSISTANT PROFESSOR & HOD

DEPARTMENT OF CHEMISTRY		
S.No	Faculty	Designation
1	Sri R.V.V.SATYANARAYANA, M.Sc.	ASSOCIATE PROFESSOR & HOD
2	Dr. D. SANTI KUMAR, M.Sc., Ph.D.	ASSOCIATE PROFESSOR
3	Dr. D. PAUL BABU, M.Sc., Ph.D.	ASSOCIATE PROFESSOR
4	DR. T. VENKATA SWAMY M.Sc., M.Phil., Ph.D	ASSISTANT PROFESSOR

DEPARTMENT OF ZOOLOGY		
S.No	Faculty	Designation
1	Dr. P.MADHAVEELATHA, M.Sc., M. Phil., Ph.D.	ASSOCIATE PROFESSOR & HOD
2	Dr. K. SREELATHA, M.Sc., Ph.D., PGDCP	ASSOCIATE PROFESSOR
3	Dr. J. CHANDRA SEKHARA RAO, M.Sc., Ph.D	ASSISTANT PROFESSOR
4.	Dr. NGANGBAM SARAT SINGH, M.Sc., Ph.D	ASSISTANT PROFESSOR



DEPARTMENT OF BOTANY		
S.No	Faculty	Designation
1	Dr. J.V. SUDHAKAR M.Sc., M. Phil., Ph.D.	ASSOCIATE PROFESSOR & HOD

DEPARTMENT OF COMPUTER SCIENCE		
S.No	Faculty	Designation
1	Sri K.SURYA PRAKASH, M.C.A., M. Phil.	ASSISTANT PROFESSOR & HOD
2	Smt. B. JYOTHI, M.C.A., M. Phil.	ASSISTANT PROFESSOR

LIBRARY		
S.No	Faculty	Designation
1	Dr. Dhananjay Singh, Assistant Professor of Hindi	in-charge

DEPARTMENT OF PHYSICAL EDUCATION		
S.No	Faculty	Designation
1	Sri. Rajesh Kumar Karna, Assistant Professor of Politics	in-charge

ADMINISTRATIVE STAFF		
S.No	Name of the Staff	Designation
1	Smt. P. NAGAMANI	SUPERINTENDENT
2	Smt. Ch. MANGA DEVI	ASSISTANT
3	Sri G. RAJASEKHAR	U.D.C.
4	Sri. S.L.V.V.N. SWAMY	U.D.C.
5	Smt. S. VIJAYA	S.K. Gr. III
6	Sri G. SRINIVASU	Stenographer (Gr. II) (D.R)
7	Smt. M. VARALAKSHMI	MTS (General)
8	Sri D. NAGESWARA RAO	MTS (General)
9	Sri U.V.V.SATYANARAYANA	MTS (General)
10	Smt. B. SITARATNAM	MTS (General)
11	Smt. R. SAVITHRI	MTS (General)
12	Sri CH. EDUKONDALU	MTS (General)
13	Sri K. BABJI	MTS (Security)
14	Smt. Ch. LAKSHMI KUMARI	MTS (House Keeping)
15	Sri K.SREENIVASU	Sanitary Asst (D.R)
16	Sri R.VISHNU MURTHY	Sanitary Asst (D.R)

IQAC		
S.No	Name of the Faculty	Coordinator/ Member
1	Dr. T. PRASAD RAO, Assistant Professor of History	Coordinator

NCC		
S.No	Name of the Faculty	Designation
1	Dr. YOGINDER SINGH, Assistant Professor of Commerce	A.N.O.

NSS		
S.No	Name of the Faculty	Designation
1	Dr. K. PRASAD, Assistant Professor of Economics	Program Officer

UGC		
S.No	Name of the Faculty	Designation
1	Smt. V. SRIDEVI, Assistant Professor of Commerce	Coordinator

NAAC		
S.No	Name of the Faculty	Designation
1	Dr. YOGINDER SINGH, Assistant Professor of Commerce	Coordinator

RUSA		
S.No	Name of the Faculty	Designation
1	Dr. K. PRASAD, Assistant Professor of Economics	Coordinator

e-depository College Management System/College website		
S.No	Name of the Faculty	Designation
1	Dr. M. SUKUMAR, Assistant Professor of Mathematics	Nodal Officer

Online Admission Student Information System(OASIS)		
S.No	Name of the Faculty	Designation
1	Dr. J.V. SUDHAKAR, Assistant Professor of Botany	Nodal Officer

DISCIPLINE COMMITTEE		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
2	Sri R.V.V.SATYANARAYANA, H.O.D., Chemistry	Coordinator
3	Sri K.MANOHARAN, H.O.D., Economics	Member
4	Dr. P.MADHAVEELATHA, H.O.D., Zoology	Member
5	Dr. V. BHASKAR REDDY, H.O.D Telugu	Member
6	Dr. K.M.K. CHAKRAVARTHY, H.O.D., English	Member
7	Dr. YOGINDER SINGH, H.O.D., Commerce	Member
8	Smt. S.KRISHNAVENI, H.O.D., Mathematics	Member
9	Sri. K.SURYA PRAKASH, H.O.D., Computer Science	Member
10	Dr. K. PRASAD, Assistant Professor of Economics	Member
11.	Sri. K. SRINIVAS, H.O.D., Physics	Member

ANTI RAGGING COMMITTEE		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
1	Sri R.V.V.SATYANARAYANA, Associate Professor Chemistry	Member
2	Dr. P.MADHAVEELATHA, Associate Professor of Zoology	Member
3	Smt. S.KRISHNAVENI, Assistant Professor of Mathematics	Member
4	Dr. K.M.K. CHAKRAVARTHY, Assistant Professor of English	Member
5	Dr. K. PRASAD, Assistant Professor of Economics	Member
6	Sri K.SURYA PRAKASH, Assistant Professor of Computer Science	Member

7	Smt. Sk. KHWAJABI, Assistant Professor of Commerce	Member
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ALUMNI ASSOCIATION		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
2	Sri G.G.H.K.S. PRABHAKAR, Assistant Professor of Mathematics	Coordinator
1	Sri T. MUTYALU, Assistant Professor of Economics	Member
2	Smt. Sk. KHWAJABI, Assistant Professor of Commerce	Member
3	Dr. T. SUBBALAKSHMI, Assistant Professor of Economics	Member
4	Sri. B. VEERABHADRA RAO, CCP, Assistant Professor of Commerce	Member

STUDENT ADVISORS		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
2	Sri R.V.V.SATYANARAYANA, Associate Professor of Chemistry	Member
3	Dr. YOGINDER SINGH, Assistant Professor of Commerce	Member
4	Dr. K. PRASAD, Assistant Professor of Economics	Member

ANTI-SEXUAL HARASSMENT COMMITTEE		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
2	Smt. S. KRISHNAVENI, Associate Professor of Mathematics	Coordinator
3	Smt. Sk. Khwajabi, Associate Professor of Mathematics	Member
4	Dr. YOGINDER SINGH, Assistant Professor of Commerce	Member
5	Smt. B. JYOTHI, Assistant Professor of Computer Science	Member
6	Dr. J. CHANDRA SEKHARA RAO, Assistant Professor of Zoology	Member

CAREER COUNSELING & PLACEMENT CELL		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
1	Dr. K.M.K. CHAKRAVARTHY, Assistant Professor of English	Coordinator
2	Smt. B. JYOTHI, Assistant Professor of Computer Science	Member
3	Sri. M. SANTHARAJU, Assistant Professor of Mathematics	Member
4.	Dr. C. NARESH, Assistant Professor of English	Member
5.	Sri. RAJESH KUMAR KARNA, Assistant Professor of Political Science	Member

RESEARCH COMMITTEE		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
1	Dr. D. SANTI KUMAR, Associate Professor of Chemistry	Coordinator
2	Dr. K. SREELATHA, Associate Professor of Zoology	Member
3	Dr. DHANANJAY SINGH, Assistant Professor of Hindi	Member
4	Dr. J.V. SUDHAKAR, Assistant Professor of Botany	Member
5	Dr. CH. NARESH, Assistant Professor of English	Member
6	Dr. T. SUBBALAKSHMI, Assistant Professor of Economics	Member

WOMEN EMPOWERMENT CELL		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairperson
1	Dr. P. MADHAVEELATHA, Associate Professor of Zoology	Coordinator
2	Smt. S. KRISHNAVENI, Assistant Professor of Mathematics	Member

3	Dr. N. JHANSI RANI, Assistant Professor of Telugu	Member
4	Smt. V. SRIDEVI, Assistant Professor of Commerce	Member
5	Dr. T. SUBBALAKSHMI, Assistant Professor of Economics	Member

SC/ST RIGHTS PROTECTION COMMITTEE		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Member
2	Sri. K. MANOHARAN, Associate Professor of Economics	Coordinator
3	Dr. N. JHANSI RANI, Assistant Professor of Telugu	Member
4	Dr. K.M.K. CHAKRAVARTHY, Assistant Professor of English	Member
5	Sri. M. SANTHA RAJU, Assistant Professor of Mathematics	Member
6	Dr. T.VENKATA SWAMY, , Assistant Professor of Chemistry	Member
7	Dr. T. SUBBA LAKSHMI, Assistant Professor of Economics	Member

RED RIBBON CLUB		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Chairman
1	Dr. K. PRASAD, Assistant Professor of Economics	Coordinator
2	Sri A.V.V.S. MURTHY, Assistant Professor of Mathematics	Member
3	Sri B. VEERABHADRA RAO, CCP Professor of Commerce	Member

ECO CLUB		
S.No	Name of the Faculty	Designation
1	PRINCIPAL	Member
1	Dr. J.V. SUDHAKAR, Assistant Professor of Botany	Coordinator
2	Sri. S. SRINIVAS, Assistant Professor of Physics	Member
3	Smt. Sk. KHWAJABI, Assistant Professor of Commerce	Member
4.	Dr. J. CHANDRA SEKHARA RAO, Assistant Professor of Zoology	Member
5.	Dr. NGANGBAM SARAT SINGH, , Assistant Professor of Zoology	Member

STUDENTS' CONSUMER CO-OPERATIVE SOCIETY		
S.No	Name of the Faculty	Designation
1	Dr. JEYARAJ DANIEL, Principal	Ex-Officio President
2	Dr. V. BHASKAR REDDY, Assistant Professor of Telugu	Vice President
3	Sri A.V.V.S. MURTHY, Assistant Professor of Mathematics	Secretary
4	Dr. R.UMA DEVI, Assistant Professor of Commerce	Treasurer
5	Sri. M.G.V. SANKARACHARYULU, Assistant Professor of Physics	Director
6	Dr. YOGINDER SINGH, Assistant Professor of Commerce	Director
7	Sri. G.G.H.K.S. PRABHAKAR, Assistant Professor of Mathematics	Director
8	Sri. B. VEERABHADRA RAO, CCP Assistant Professor of Commerce	Director
9	Sri. G. RAJASEKHAR, U.D.C.	Director



10	Student members to be nominated	Director
11	-do-	Director
12	-do-	Director

# CALENDAR

JUNE 2018			
Working Days: 2			
Date	Day	Remarks	Cumulative Working Days
28	Thu	<i>College Reopens after Summer Vacation</i>	1
29	Fri		2
30	Sat		*

<b>JULY 2018</b>			
<b>Working Days: 22</b>			
<b>Date</b>	<b>Day</b>	<b>Remarks</b>	<b>Cumulative Working Days</b>
1	Sun		*
2	Mon		3
3	Tue		4
4	Wed		5
5	Thu		6
6	Fri		7
7	Sat		*
8	Sun		*
9	Mon		8
10	Tue		9
11	Wed		10
12	Thu		11
13	Fri		12
14	Sat		*
15	Sun		*
16	Mon		13
17	Tue		14
18	Wed		15
19	Thu		16
20	Fri		17
21	Sat		*
22	Sun		*
23	Mon		18
24	Tue		19
25	Wed		20
26	Thu		21
27	Fri		22
28	Sat		*
29	Sun		*
30	Mon		23
31	Tue		24

<b>AUGUST 2018</b>			
<b>Working Days: 21</b>			
<b>Date</b>	<b>Fri</b>	<b>Remarks</b>	<b>Cumulative Working Days</b>
1	Wed		25
2	Thu		26
3	Fri		27
4	Sat		*
5	Sun		*
6	Mon		28
7	Tue		29
8	Wed		30
9	Thu		31
10	Fri		32
11	Sat		*
12	Sun		*
13	Mon		33
14	Tue		34
15	Wed	<b>INDEPENDENCE DAY</b>	*
16	Thu	<b>DE JURE TRANSFER DAY</b>	*
17	Fri		35
18	Sat		36
19	Sun		*
20	Mon		*
21	Tue		37
22	Wed	<b>BAKRID</b>	*
23	Thu		39
24	Fri		40
25	Sat		*
26	Sun		*
27	Mon		41
28	Tue		42
29	Wed		43
30	Thu		44
31	Fri		45
<b>* Holiday</b>			

SEPTEMBER 2018			
Working Days: 20			
Date	Day	Remarks	Cumulative Working Days
1	Sat		*
2	Sun		*
3	Mon		46
4	Tue		47
5	Wed		48
6	Thu		49
7	Fri		50
8	Sat		*
9	Sun		*
10	Mon		51
11	Tue		52
12	Wed		53
13	Thu	<b>VINAYAKA CHATHURTHI</b>	*
14	Fri		54
15	Sat		*
16	Sun		*
17	Mon		55
18	Tue		56
19	Wed		57
20	Thu		58
21	Fri		59
22	Sat		*
23	Sun		*
24	Mon		60
25	Tue		61
26	Wed		62
27	Thu		63
28	Fri		64
29	Sat		*
30	Sun		*

<b>OCTOBER 2018</b>			
<b>Working Days: 20</b>			
Date	Day	Remarks	Cumulative Working Days
1	Mon		65
2	Tue	<b>GANDHI JAYANTHI</b>	*
3	Wed		66
4	Thu		67
5	Fri		68
6	Sat		*
7	Sun		*
8	Mon		69
9	Tue		70
10	Wed		71
11	Thu		72
12	Fri		73
13	Sat		*
14	Sun		*
15	Mon		74
16	Tue		75
17	Wed		76
18	Thu		77
19	Fri		78
20	Sat		*
21	Sun		*
22	Mon		79
23	Tue		80
24	Wed		81
25	Thu		82
26	Fri		83
27	Sat		*
28	Sun		*
29	Mon		84
30	Tue		85
31	Wed		86

<b>NOVEMBER 2018</b>			
<b>Working Days: 21</b>			
Date	Day	Remarks	Cumulative Working Days
1	Thu	<b><i>PUDUCHERRY LIBERATION DAY</i></b>	*
2	Fri		87
3	Sat		*
4	Sun		*
5	Mon		88
6	Tue		89
7	Wed	<b><i>DEEPAVALI</i></b>	*
8	Thu		90
9	Fri		91
10	Sat		*
11	Sun		*
12	Mon		92
13	Tue		93
14	Wed		94
15	Thu		95
16	Fri		96
17	Sat		*
18	Sun		*
19	Mon		97
20	Tue		98
21	Wed	<b><i>MEELAD-UN-NABI</i></b>	*
22	Thu		99
23	Fri		100
24	Sat		*
25	Sun		*
26	Mon		101
27	Tue		102
28	Wed		103
29	Thu		104
30	Fri		105

<b>DECEMBER 2018</b>			
<b>Working Days: 2</b>			
<b>Date</b>	<b>Day</b>	<b>Remarks</b>	<b>Cumulative Working Days</b>
1	Sat		*
2	Sun		*
3	Mon		106
4	Tue		107
5	Wed	<b><i>Semester Break Begins</i></b>	*
6	Thu		*
7	Fri		*
8	Sat		*
9	Sun		*
10	Mon		*
11	Tue		*
12	Wed		*
13	Thu		*
14	Fri		*
15	Sat		*
16	Sun		*
17	Mon		*
18	Tue		*
19	Wed		*
20	Thu		*
21	Fri		*
22	Sat		*
23	Sun		*
24	Mon		*
25	Tue	<b><i>CHRISTMAS</i></b>	*
26	Wed		*
27	Thu		*
28	Fri		*
29	Sat		*
30	Sun		*
31	Mon		*



<b>JANUARY 2019</b>			
<b>Working Days: 18</b>			
Date	Day	Remarks	Cumulative Working Days
1	Tue	<b>NEW YEAR'S DAY</b>	*
2	Wed		*
3	Thu		*
4	Fri	<b>Even Semester Begins</b>	108
5	Sat		*
6	Sun		*
7	Mon		109
8	Tue		110
9	Wed		111
10	Thu		112
11	Fri		113
12	Sat		*
13	Sun		*
14	Mon		114
15	Tue	<b>KANUMA</b>	*
16	Wed		115
17	Thu		116
18	Fri		117
19	Sat		*
20	Sun		*
21	Mon		118
22	Tue		119
23	Wed		120
24	Thu		121
25	Fri		122
26	Sat	<b>REPUBLIC DAY</b>	*
27	Sun		*
28	Mon		123
29	Tue		124
30	Wed		125
31	Thu		126

<b>FEBRUARY 2019</b>			
<b>Working Days: 20</b>			
<b>Date</b>	<b>Day</b>	<b>Remarks</b>	<b>Cumulative Working Days</b>
1	Fri		127
2	Sat		*
3	Sun		*
4	Mon		128
5	Tue		129
6	Wed		130
7	Thu		131
8	Fri		132
9	Sat		*
10	Sun		*
11	Mon		133
12	Tue		134
13	Wed		135
14	Thu		136
15	Fri		137
16	Sat		*
17	Sun		*
18	Mon		138
19	Tue		139
20	Wed		140
21	Thu		141
22	Fri		142
23	Sat		*
24	Sun		*
25	Mon		143
26	Tue		144
27	Wed		145
28	Thu		146

<b>MARCH 2019</b>			
<b>Working Days: 20</b>			
<b>Date</b>	<b>Day</b>	<b>Remarks</b>	<b>Cumulative Working Days</b>
1	Fri		147
2	Sat		*
3	Sun		*
4	Mon		148
5	Tue		149
6	Wed		150
7	Thu		151
8	Fri		152
9	Sat		*
10	Sun		*
11	Mon		153
12	Tue		154
13	Wed		155
14	Thu		158
15	Fri		159
16	Sat		*
17	Sun		*
18	Mon		160
19	Tue		161
20	Wed		162
21	Thu		163
22	Fri		164
23	Sat		*
24	Sun		*
25	Mon		165
26	Tue		166
27	Wed		167
28	Thu		168
29	Fri		169
30	Sat		*
31	Sun		*

<b>APRIL 2019</b>			
<b>Working Days: 21</b>			
Date	Day	Remarks	Cumulative Working Days
1	Mon		170
2	Tue		171
3	Wed		172
4	Thu		173
5	Fri		174
6	Sat	<b>UGADI</b>	*
7	Sun		*
8	Mon		175
9	Tue		176
10	Wed		177
11	Thu		178
12	Fri		179
13	Sat		*
14	Sun	<b>AMBEDKAR JAYANTHI</b>	*
15	Mon		180
16	Tue		181
17	Wed		182
18	Thu		183
19	Fri	<b>GOOD FRIDAY</b>	*
20	Sat		*
21	Sun		*
22	Mon		184
23	Tue		185
24	Wed		186
25	Thu		187
26	Fri		188
27	Sat		*
28	Sun		*
29	Mon		189
30	Tue		190

<b>MAY 2019</b>			
<b>Working Days: 2</b>			
Date	Day	Remarks	Cumulative Working Days
1	Wed	<b><i>May Day</i></b>	*
2	Thu		191
3	Fri		192
4	Sat	<b><i>College Closes for Summer Vacation</i></b>	*
5	Sun		*
6	Mon		*
7	Tue		*
8	Wed		*
9	Thu		*
10	Fri		*
11	Sat		*
12	Sun		*
13	Mon		*
14	Tue		*
15	Wed		*
16	Thu		*
17	Fri		*
18	Sat		*
19	Sun		*
20	Mon		*
21	Tue		*
22	Wed		*
23	Thu		*
24	Fri		*
25	Sat		*
26	Sun		*
27	Mon		*
28	Tue		*
29	Wed		*
30	Thu		*
31	Fri		*

<b>JUNE 2019</b>			
<b>Working Days: 2</b>			
Date	Day	Remarks	Cumulative Working Days
1	Fri		*
2	Sat		*
3	Sun		*
4	Mon		*
5	Tue		*
6	Wed		*
7	Thu		*
8	Fri		*
9	Sat		*
10	Sun		*
11	Mon		*
12	Tue		*
13	Wed		*
14	Thu		*
15	Fri		*
16	Sat		*
17	Sun		*
18	Mon		*
19	Tue		*
20	Wed		*
21	Thu		*
22	Fri		*
23	Sat		*
24	Sun		*
25	Mon		*
26	Tue		*
<b>Academic Year 2019-20</b>			
27	Wed	<b><i>College Reopens after Summer Vacation</i></b>	*
28	Thu		1
29	Fri		2
30	Sat		*

## WORKING HOURS AND DAYS

The college functions from 9:30 a.m. to 12:30 p.m. and 1:30 p.m. to 4:30 p.m. for five days a week. The details of holidays and vacations are indicated in the calendar.

## PAYMENT OF FEES

Fees will be collected once in an academic year.

The following are the rates of fees per year:-

Per Annum

Nature of the fees	Per Annum	
	U.G.	P.G.
1. Tuition fee (Residents)	200	-
2. Tuition fee (non-residents)	500	250
3. Athletic Association	150	100
4. College magazine	75	100
5. College day	150	100
6. College Union/Department Association/ Students Development Fund	100	20
7. College calendar	50	50
8. Medical Inspection	10	10
9. Student`s Medical Assistance Fund	10	-
10. Reading room/Library	10	10
11. Admission fee (on admission only)	10	10
12. Laboratory fee (for Science Group)	100	60
13. Laboratory fees (for Computer Science Only)	300	500
14. Fine Arts Association	50	25
15. Stationery fee/Test and Examination	75	100

16. Department Curriculum Promotion	-	100
17. Caution Deposit	100	75/500 (for Computer Science Only)
17. Cooperative stores	-	110
18. Parents Teacher Association	-	100
19. Registration Fees		60
20. University Development Fund		50
21. Group Insurance per annum	100	

In addition to the above, the following fees are payable to the Pondicherry University at the time of admission by all the students.

1. Matriculation fee	18.00
2. Recognition Fee	
2.1 Higher Secondary Examination conducted by the Govt. of Tamilnadu/ Intermediate conducted by the Govt. of Andhra Pradesh/ Pre-Degree Examination conducted by Calicut University	75.00
2.2 Any other examination	
3. Recognition fee for Bachelor`s Degree Examination conducted by other accredited statutory agency/University in India.	180.00
4. Recognition fee for an Examination conducted by Universities or other accredited bodies outside India	
(Rates of these fees are subject to change)	450.00

NOTE: If a student, after joining the Course of Study, leaves the college during the term he/she shall have no right to claim a refund of any portion of the fees remitted except caution deposit.

The Special Fees for each year are payable not later than the fifteenth working day of the beginning of each academic year.

If the student fails to pay the Special Fees on the day stipulated for payment, he/she will have to pay a fine of Re.1.00 per day and if the fees are not paid within another 10 working days the student`s name will be struck off the rolls. If re-admitted he must in addition to the fees and fines, due, he/she has to pay Re-admission Fee of Rs.2.00 at the discretion of the Principal.

NOTE: No refreshments will be supplied to the students from the special fees collected on any occasion including the college day, sports day, etc.



## **RULES OF ATTENDANCE AND LEAVE OF ABSENCE**

1. Each student shall be in his/her place in the class punctually during the periods of Lecture, Practical, etc.
2. Attendance will be taken for every period of work and absence during any one period in a session will be treated as absence for that session.
3. No student shall be absent without furnishing a written request for leave. Application for leave must be made in advance and addressed to the Head of the Department in the following form.

(1) Name of the student :

(2) Class with main subject :

(3) Roll number :

(4) Period of leave :

(5) Reason for leave :

(6) Signature of the Parent/Guardian

(7) Signature of the Student

Date of Application :

Remarks of the H.O.D.

4. Leave applications must always be submitted to the H.O.D. in advance. If the absence is due to some unforeseen circumstances, the application for leave of absence must be submitted at the earliest possible. In case of sickness extending more than three days, medical certificate must be produced.
5. If a student absents himself/herself for ten days without leave letter, his/her name will be struck off the rolls.
6. The H.O.D. can grant leave up to three days. Beyond that, the Principal, on the recommendation of the H.O.D, will grant further leave. Letters so granted shall be filed by the Department and will be

considered for condonation of shortage of attendance within the permissible limits for the final Examination as per the Rules of the Pondicherry University.

## **ISSUE OF CERTIFICATES**

1. College office hours for students: 11.45 a.m. to 12.15 p.m. and 3.00 p.m. to 4.00 p.m.
2. On requisition with relevant particulars, indicating the Course of Study, Date of Birth, Subject taken etc., Study Certificate/Course Certificate will be issued to the students for a specified genuine purpose. Applications in this regard should be made at least two days in advance.
3. Those who left the college will not be given these Certificates. They may use the Transfer and Conduct Certificates issued by the college.
4. Students who apply for the Transfer and Conduct Certificates for the first time within a period of one year after leaving the college will be given the Certificates free of cost. Those who apply for such certificates after the lapse of one year from the date on which they left the college have to pay a penal fee of Rs: 4/- for such Certificates.
5. Students who apply for a duplicate Transfer and/or Conduct Certificates within a period of one year after leaving the college will be given the certificates on payment of Rs.100/-.
6. Certificates will not be issued at less than 48 hours' notice.

## **RULES OF DISCIPLINE**

1. The Principal of the College shall have complete power for the maintenance of discipline of the college. He may frame and issue from time to time disciplinary rules of a temporary or permanent character, regulating the conduct of the students within or outside the campus of the College.
2. The Principal may initiate disciplinary action against errant students. These would include fine, suspension, withholding of term certificates, and expulsion and rustication. The orders of the Principal in this regard shall be final.
3. The Principal will ordinarily communicate wherever necessary with the parents/guardians of the students who are academically backward, who do not show any improvement, whose attendance is irregular or whose conduct is unsatisfactory. Students found incorrigible even after warning, may be rusticated.

4. Students of the college going on strike in any manner and indulging in acts of indiscipline and acts that may lead to disruption of work in the institutions shall be liable for forfeiture of their scholarships, fee concessions etc., besides being punished by the Principal.

5. Petitions/Complaints from individuals or groups to any higher authority must be submitted through the Principal only.

## **CONDUCT AND BEHAVIOR**

1. Each student must attend the college decently dressed. ID cards must be carried at all times.

2. At the first bell announcing the commencement of sessions (9.25 a.m. & 1.25 p.m.), students should be seated in their respective class rooms.

3. On the teacher entering the class room, the students shall rise and remain standing till they are asked to sit or till the teacher takes his/her seat.

4. Every student must obey the teachers and respectfully carry out their instructions. The students shall observe politeness towards the non-teaching staff of the college and behave decorously with his/her fellow students.

5. No student shall leave the class room or laboratory without the teacher's permission or till the teacher leaves the room.

6. Students must observe strict silence in the classes and listen to the lectures attentively, without distracting the attention of others.

7. Students must move silently while changing their class room. They must also remain silent during the interval between a teacher finishing his/her classes and leaving and the next teacher entering to engage the period.

8. Students are forbidden from making any kind of noise in the form of small or large groups in the corridors or vicinity of class rooms where teaching is in progress or from disturbing the classes in any manner. Students having no classes must remain quiet and spend the time in the library/reading room.

9. Students are expected to be present in their class rooms or laboratories at the appointed hours.

10. Every student is expected to provide himself/herself with all the necessary text-books and note books. Science students must bring their observation note-book to the practical sessions and submit their fair record note-books regularly on the appointed dates. Failure to do so may entail his/her losing the day's practical work.

11. Every student should care for every property of the college and refrain from indulging in any activity that may damage the college property. Every student to whom books or any other college property are entrusted will be held responsible for their preservation in good condition and in the event of their being lost they will be required to replace them or pay their cost. Any student breaking or damaging any

college property will be required to pay the cost of repair or replacements in case of wilful damage, and he/she will also be punished in such manner as the Principal may deem fit.

12. Smoking/Consumption of alcohol /Use of tobacco products within the college premises are strictly prohibited.

13. Students are prohibited from organising any meeting or entertainment programmes or collecting money in the college for any purpose without the permission of the Principal.

14. Students guilty of going over to other Colleges and Institutions to indulge in any kind of indiscipline such as organizing demonstration and strikes would be deemed especially culpable and would be punished accordingly.

15. Students shall not hold any meetings for criticizing the conduct of the University or the College Authorities. Such meetings shall be deemed unlawful and the Principal may take action in order to prohibit or punish and in case he considers it very seriously, he may report the matter to the University for rustication.

16. Ragging and Eve teasing are punishable offences. Any such case shall immediately be brought to the notice of the Principal/Anti-ragging committee/Anti-Eve-Teasing Committee/Discipline Committee/HODs/Faculty. Such offences will be strictly dealt with as per the rules of the Government of Puducherry. Students being ragged can send e-mails to [helpline@antiragging.in](mailto:helpline@antiragging.in) to register their complaint, which can be done without disclosing the names of the victims. The toll free helpline for ragging cases is 1800-180-5522.

17. The name of the College or its authorities shall not be used in any publications or in any manner without the permission of the Principal.

18. No class or group of students should engage themselves in any public activity, even one of a purely social nature, without the Principal's permission.

19. Students should refrain from participating in party or communal politics.

20. Students are expected to read the notices /circulars put up regularly on the notice board.

21. No notice which does not have the approval of the Principal shall be circulated or displayed on the notice board.

22. Students are warned against bringing cash and/or valuable articles to the college.

23. Use of cell phones is restricted in the college campus. In case of exigencies warranting the students to bring them, they must be switched off/put in silent mode inside the class. College administration will in no way be responsible for any cybercrimes/misuse by the students. During the University Examinations, their very presence will be viewed seriously and will be dealt with as per rules.

24. Outgoing UG/PG students are to obtain their Transfer Certificate /Conduct Certificate as well as Marks Statements, if any, within one month from the last working day of VI semester /IV semester failing which a fine of Rs .100/- per year will be levied for every additional year.

## **LIBRARY RULES**

1. The Library is open to all the students of the College.
2. No student will be allowed inside the Stock Room.
3. The Library is open on all working days, including vacation from 9.00 am to 4.30 pm. It is closed on Saturdays and Sundays and other authorized holidays.
4. As the library is intended for the purpose of reading and serious study, silence must be strictly observed at all times. Students using library and reading room are prohibited from engaging in conversation or conducting themselves in any manner intended to disturb or distract the attention of others. Failure to observe this rule will result in cancellation of library facilities for the offender besides disciplinary action being taken.
5. Unauthorised removal of books and periodicals from the Library or Reading Room or damage to them will be severely dealt with.
6. No person shall write upon or make any marks, tear off pages from in any book or periodical belonging to the Library or Reading Room. Books so disfigured or mutilated will have to be replaced by the user with the new books.
7. Readers shall be responsible for damage or injury done/imposed thereon to the books, periodicals and other Library property and shall be required to replace such items or pay the value thereof besides a heavy fine.
8. Date labels and packets in books shall not be tampered with in any manner.
9. Each student is entitled to borrow two books at a time from the library. A book will be sent to a student only in exchange for one of his tickets which will be handed over to the student when he/she returns the books. Tickets are not transferable. If a ticket is lost, the matter should immediately be reported in writing to the Librarian. A duplicate ticket will be issued on payment of a fine of Rs.15, on or before the fifteenth day after the submission of application. During this period the member should attempt to trace and recover the ticket and he/she should report the result of his/her endeavours.
10. Books are normally issued on loan for one week. A student who fails to return the book on the due date will be fined One Rupee per working day till the book is returned. Prolonged failure to return a book will be reported to the Principal who will take necessary action.

11. No Transfer or Conduct Certificate will be issued to the student until all the books borrowed and tickets have been returned and any other dues outstanding against him/her are discharged.

12. Students are prohibited from passing the books issued to them from one to another and lending the books to persons not concerned with the college. The original borrower himself/herself will be held solely responsible for any loss or damage caused to books and periodicals if he/she violates the regulations.

13. Students are not allowed to enter the Library or Reading Room with their books or any other printed matter. They will leave such items at the Counter or at the Entrance of the Library.

14. Dictionaries and any other books declared reference books will not be loaned out. They may be consulted only within the library.

15. No books shall be issued which in the opinion of the Librarian is not in good condition to be safely handled by the borrower.

16. In case of the books for which there is exceptional demand, the period of loan may be reduced to seven days.

17. The Librarian may recall any book at any time even if the period of loan has not expired.

18. The borrower of the book may be renewed for a further period of 15 days provided that, -

(i) No other member has applied for this book in the mean while.

(ii) Not more than three consecutive renewals are made for the same book.

19. Any loss of books or magazines by the borrower shall be reported to the Principal and replacement shall be made within a period of one month at the latest. If no replacement is made within the above period, four times the cost of the books/magazines/periodicals shall be recovered from the borrower concerned.

## **COCURRICULAR ACTIVITIES**

### **NATIONAL CADET CORPS**

In order to instil discipline, regularity, punctuality and a sense of honour and pride in the young minds, the College offers training under the National Cadet Corps – Army Wing.

### **NATIONAL SERVICE SCHEME**

To motivate social conduct and to inculcate discipline and service to the society, the students are enrolled as volunteers in National Service Scheme. They carry out the activities like blood donation, tree plantation, anti-pollution campaign, campus cleaning, AIDS awareness programmes etc.

### **PHYSICAL EDUCATION**

It helps the students to build up the team and competitive spirit. It provides training and practice to the students to represent State, National and International level events in Games and Sports. It is mandatory for the students to participate in Sports/Games.

### **RED RIBBON CLUB**

It is functioning from 2011-12 with the objective of creating awareness about AIDS & importance of blood donation among students.

### **NETWORK RESOURCE CENTRE**

UGC has sanctioned Network Resource Centre in its 10<sup>th</sup> plan period. The Centre is one meant for computer knowledge and its use in Academic activities like Finance Management, Examination Process, Administration and Research. The Centre not only disseminates knowledge in stored form but also through internet connectivity. It helps to widen the knowledge in all subjects through multimedia.

### **EMPLOYMENT INFORMATION AND GUIDANCE BUREAU**

This cell is functioning with the objectives of providing counselling and guidance to students regarding career options.

### **PLACEMENT CELL**

Campus interviews are arranged in cooperation with the industries which offer jobs to fresh graduates. An environment information and guidance bureau is set up with a view to providing the students with information regarding employment opportunities, competitive examinations, scholarship and other facilities meant for the students.

### **SCHEME OF UNIVERSITY EXAMINATIONS FOR U.G. COURSES (CBCS Pattern 2017-18 onwards)**

Choice Based Credit System (CBCS) is being implemented from the Academic Year 2017-18. The Syllabi given below are both for the new entrants and the III year students.

**Ability Enhancement Compulsory Course (AECC – Environment Studies)**  
**INTRODUCTION TO PUBLIC ADMINISTRATION**  
**(For all branches in I Semester)**

Instruction Method: Lectures and seminars

Evaluation Method: Written Tests

Course duration : One Semester(Two Credits)

Contact Hours : 2 per week

**Course Rationale**

This Course introduces the students to the elements of public administration. This would help them obtain a conceptual perspective on Public Administration. In addition, the Course introduces to students the growth of institutional devices to meet the changing times. The Course also aims to emphasize the need for ethical seriousness in contemporary Indian public Administration within the Constitutional framework.

**1. Introduction:**

Meaning, Nature and Scope of Public Administration and its relationship with other disciplines - Evolution of Public Administration as a discipline – Woodrow Wilson, Henry Fayol , Max Weber and others - Evolution of Public Administration in India – Arthashastra – Colonial Administration upto 1947.

**2. Public Administration in India**

Enactment of Indian Constitution - Union Government – The Cabinet – Central Secretariat -- All India Services – Training of Civil Servants – UPSC – Niti Ayog – Statutory Bodies: The Central Vigilance Commission – CBI - National Human Rights Commission – National Women’s Commission – CAG.

**3. State and Union Territory Administration**

Differential Administrative Systems in Union Territories compared to States Organization of Secretariat: - Position of Chief Secretary, Functions and Structure of Departments, Directorates – Ministry of Home Affairs supervision of Union Territory Administration –



Position of Lt. Governor in UT – Government of Union Territories Act 1963 – Changing trend in UT Administration in Puducherry and Andaman and Nicobar Islands.

#### **4. Emerging Issues in Indian Public Administration**

Changing Role of District Collector – Civil Servants – Politicians relationship  
Citizens Charter - Public Grievance Redressal mechanisms — The RTI Act 2005 – Social Auditing and Decentralization – Public Private Partnership.

#### **References:**

1. A. R. Tyagi, Public Administration, Atma ram sons, New Delhi, 1983.
2. Appleby P.H, Policy and Administration, The University of Alabama Press, Alabama, 1949.
3. Avasthi and Maheswari, Public Administration in India, Agra: Lakshmi Narain Agarwal, 2013
4. Gerald.E. Caden. Public Administration. Pablidas Publishers, California, 1982.1
5. <http://cic.gov.in/>
6. <http://www.mha.nic.in/>
7. <http://rti.gov.in/>
8. <http://www.cvc.nic.in/>
9. R.B.Jain, Public Administration in India, 21<sup>st</sup> Century Challenges for Good Governance, New Delhi: Deep and Deep, 2002
10. Ramesh K Arora, Indian Public Administration, New Delhi: Wishwa Prakashan
11. Ramesh K. Arora. Public Administration, Fresh Perspective. Alekh publishers, Jaipur.
12. Rumki Basu, Public Administration: Concept and Theories, New Delhi: Sterling, 2013

#### **Ability Enhancement Compulsory Course (AECC – Environment Studies) (For all branches in II Semester)**

Instruction Method: Lectures and seminars

Evaluation Method: Written Tests

Course duration : One Semester (Two Credits)

Contact Hours : 2 per week

### **Unit 1: Introduction to Environmental Studies**

- Multidisciplinary nature of Environmental Studies;
  - Scope and importance; Concept of sustainability and sustainable development.
- (2 lectures)

### **Unit 2: Ecosystems**

- What is an ecosystem? Structure and function of ecosystem; Energy flow in an ecosystem: food chains, food webs and ecological succession. Case studies of the following ecosystems:
    - a) Forest ecosystem
    - b) Grassland ecosystem
    - c) Desert ecosystem
    - d) Aquatic ecosystems (ponds, streams, lakes, rivers, oceans, estuaries)
- (6 lectures)

### **Unit 3: Natural Resources: Renewable and Non-renewable Resources**

- Land resources and land use change; Land degradation, soil erosion and desertification.
  - Deforestation: Causes and impacts due to mining, dam building on environment, forests, biodiversity and tribal populations.
  - Water: Use and over-exploitation of surface and ground water, floods, droughts, conflicts over water (international & inter-state).
  - Energy resources: Renewable and non-renewable energy sources, use of alternate energy sources, growing energy needs, case studies.
- (8 lectures)

### **Unit 4: Biodiversity and Conservation**

- Levels of biological diversity: genetic, species and ecosystem diversity; Bio-geographic zones of India; Biodiversity patterns and global biodiversity hot spots
  - India as a mega-biodiversity nation; Endangered and endemic species of India
  - Threats to biodiversity: Habitat loss, poaching of wildlife, man-wildlife conflicts, biological invasions; Conservation of biodiversity : In-situ and Ex-situ conservation of biodiversity.
  - Ecosystem and biodiversity services: Ecological, economic, social, ethical, aesthetic and Informational value.
- (8 lectures)

### **Unit 5: Environmental Pollution**

- Environmental pollution: types, causes, effects and controls; Air, water, soil and noise pollution
- Nuclear hazards and human health risks

- Solid waste management: Control measures of urban and industrial waste.
- Pollution case studies (8 lectures)

### **Unit 6: Environmental Policies & Practices**

- Climate change, global warming, ozone layer depletion, acid rain and impacts on human communities and agriculture
- Environment Laws: Environment Protection Act; Air (Prevention & Control of Pollution) Act; Water (Prevention and control of Pollution) Act; Wildlife Protection Act; Forest Conservation Act. International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD).
- Nature reserves, tribal populations and rights, and human wildlife conflicts in Indian context. (7 lectures)

### **Unit 7: Human Communities and the Environment**

- Human population growth: Impacts on environment, human health and welfare.
- Resettlement and rehabilitation of project affected persons; case studies.
- Disaster management: floods, earthquake, cyclones and landslides.
- Environmental movements: Chipko, Silent valley, Bishnois of Rajasthan.
- Environmental ethics: Role of Indian and other religions and cultures in environmental conservation.
- Environmental communication and public awareness, case studies (e.g., CNG vehicles in Delhi) (6 lectures)

### **Unit 8: Field work**

- Visit to an area to document environmental assets: river/ forest/ flora/fauna, etc.
- Visit to a local polluted site-Urban/Rural/Industrial/Agricultural
- Study of common plants, insects, birds and basic principles of identification
- Study of simple ecosystems-pond, river, Delhi Ridge, etc (Equal to 5 lectures)

### **Suggested Readings:**

1. Carson, R. 2002. *Silent Spring*. Houghton Mifflin Harcourt
2. Gadgil, M., & Guha, R. 1993. *This Fissured Land: An Ecological History of India*. Univ. of California Press
3. Gleeson, B. and Low, N. (eds.) 1999. *Global Ethics and Environment*, London, Routledge.

4. Gleick, P. H. 1993. *Water in Crisis*. Pacific Institute for Studies in Dev., Environment & Security. Stockholm Env. Institute, Oxford Univ. Press
5. Groom, Martha J., Gary K. Meffe, and Carl Ronald Carroll. *Principles of Conservation Biology*. Sunderland: Sinauer Associates, 2006.
6. Grumbine, R. Edward, and Pandit, M.K. 2013. Threats from India's Himalaya dams. *Science*, 339: 36-37.
7. McCully, P. 1996. *Rivers no more: the environmental effects of dams* (pp. 29-64). Zed Books.
8. McNeill, John R. 2000. *Something New Under the Sun: An Environmental History of the Twentieth Century*.
9. Odum, E.P., Odum, H.T. & Andrews, J. 1971. *Fundamentals of Ecology*. Philadelphia: Saunders.
10. Pepper, I.L., Gerba, C.P. & Brusseau, M.L. 2011. *Environmental and Pollution Science*. Academic Press.
11. Rao, M.N. & Datta, A.K. 1987. *Waste Water Treatment*. Oxford and IBH Publishing Co. Pvt. Ltd.
12. Raven, P.H., Hassenzahl, D.M. & Berg, L.R. 2012. *Environment*. 8th edition. John Wiley & Sons.
13. Rosencranz, A., Divan, S., & Noble, M. L. 2001. *Environmental law and policy in India*. Tripathi 1992.
14. Sengupta, R. 2003. *Ecology and economics: An approach to sustainable development*. OUP.
15. Singh, J.S., Singh, S.P. and Gupta, S.R. 2014. *Ecology, Environmental Science and Conservation*. S. Chand Publishing, New Delhi.
16. Sodhi, N.S., Gibson, L. & Raven, P.H. (eds). 2013. *Conservation Biology: Voices from the Tropics*. John Wiley & Sons.
17. Thapar, V. 1998. *Land of the Tiger: A Natural History of the Indian Subcontinent*.
18. Warren, C. E. 1971. *Biology and Water Pollution Control*. WB Saunders.
19. Wilson, E. O. 2006. *The Creation: An appeal to save life on earth*. New York: Norton.
20. World Commission on Environment and Development. 1987. *Our Common Future*. Oxford University Press.

## B.A. Branch-II Economics (Batch 2017-18)

### SEMESTER I

LTAM111	-	Language – I: Foundation [03 Credits]
ENGL112	-	Functional English – I: Foundation [03 Credits]
ECON 111	-	Towards Understanding Economics Main [04 Credits]
ECON 112	-	Statistical Methods I Main [04 Credits]
ECON S02	-	Population Studies - Allied Paper [03 Credits]
PADM 113	-	Public Administration - Compulsory Paper [02 Credits]

### SEMESTER II

LTAM121	-	Language-II: Foundation [03 Credits]
ENGL122	-	Functional English II: Foundation [03 Credits]
ECON 121	-	Microeconomics I: Main [04 Credits]
ECON 122	-	Mathematics for Economists I: Main [04 Credits]
ECON S03	-	Environmental Economics : Allied [03 Credits]
ENVS 123	-	Environmental Studies Compulsory [02 Credits]

### SEMESTER III

LTAM231	-	Language III: Foundation [03 Credits]
ENGL232	-	Functional English III: Foundation [03 Credits]

ECON 231	-	Microeconomics II: Main [04 Credits]
ECON 232	-	Macroeconomics I : Main [04 Credits]
ECON 233	-	Statistical Methods II: Main [04 Credits]
ECON 234	-	Economics of Insurance : SEC-1 [02 Credits]

Note: Of the listed Allied Papers in Semesters I, II, V & VI, any one DSE paper may be selected and taught per Semester, based on available Faculty specialization.

#### **SEMESTER IV**

LTAM 241	-	Language IV [03 Credits]
ENGL 242	-	Functional English IV [03 Credits]
ECON 241	-	Money and Banking Main [04 Credits]
ECON 242	-	Macro Economics II Main [04 Credits]
ECON 243	-	Mathematics for Economists II Main [04 Credits]
ECON 244	-	Economics of Insurance - Practice SEC-2 [02 Credits]

#### **SEMESTER V**

ECON 351	-	International Economics I Main [04 Credits]
ECON 352	-	Public Finance I Main [04 Credits]
ECON 353	-	Basic Econometrics Main [04 Credits]
ECON 354	-	Indian Economy I Main [04 Credits]
ECON 355	-	Entrepreneurial Development SEC-3 [02 Credits]
ECON 356	-	Gender Studies GE-I [03 Credits]
ECON S05	-	Development Economics Allied [03 Credits]

#### **SEMESTER VI**

ECON 361	-	International Economics II : Main [04 Credits]
ECON 362	-	Public Finance II: Main [04 Credits]
ECON 363	-	Indian Economy II: Main [04 Credits]
ECON 364	-	History of Economic Thought: Main [04 Credits]
ECON 365	-	Entrepreneurial Development – Practice: SEC-4 [02 Credits]
ECON S08	-	Indian Financial Institutions and Markets: Allied [03 Credits]
ECON S09	-	Marketing: Allied [03 Credits]

#### **SEMESTER III (for 2015-17 & 2016-19 batch)**

Language	-	Paper - III
English	-	Paper - III
Main	-	Paper - V: Micro Economics- II
Main	-	Paper - VI: Macro Economics - I
Allied	-	Paper – III: Statistical Methods – II

#### **SEMESTER IV (for 2015-17 & 2016-19 batch)**

Language	-	Paper - IV
English	-	Paper - IV
Main	-	Paper - VII: Monetary Economics
Main	-	Paper - VIII: Macro Economics - II
Allied	-	Paper – IV: Mathematics for Economists- II

**SEMESTER V (for 2015-17 & 2016-19 batch)**

Main	-	Paper - IX: Indian Economy - I
Main	-	Paper - X: Public Finance - I
Main	-	Paper - XI: International Economics - I
Main	-	Paper - XII: Development Economics
Main	-	Paper - XIII: Optional – Elements of Econometrics

**SEMESTER VI (for 2015-17 & 2016-19 batch)**

Main	-	Paper - XIV: Public Finances - II
Main	-	Paper - XV: International Economics - II
Main	-	Paper - XVI: Indian Economy - II
Main	-	Paper - XVII: Indian Financial Institution & Markets
Main	-	Paper - XVIII: Optional – History of Economic thought

**B.Com****SEMESTER I**

MIL - 1	–	LHIN/LTAM/LFRE/LMAL /LTEL/LBEN/LSAN HINDI-I/ TAMIL –I / /MALAYALAM – I/TELUGU-I / BENGALI – I/SANSKRIT-I
ENGL-1 ENGL 112	-	English
DSC – 1A BCGN 111	-	Financial Accounting
DSC – 2A BCGN 112	-	Business Law
AECC - 1 PADM 113	-	Public Administration

**Semester II**

MIL - 2	-	LHIN/LTAM/LFRE/ LMAL/LTEL/LBEN/LSAN HINDI-II/TAMIL –II /MALAYALAM -II/TELUGU-II/ BENGALI – II/ SANSKRIT-II
ENGL - 2 ENGL 122	-	English – II
DSC – 1B BCGN 121	-	Business Management
DSC – 2B BCGN 122	-	Company Law
AECC - 2 ENVS123	-	Environmental Studies

**Semester III**

DSC – 1C BCGN 231	-	Goods and Services Tax
DSC – 2C BCGN 232	-	Business Statistics
DSC – 3C BCGN 233	-	Management Accounting- I
SEC - 1 BCGN 234	-	Communicative Skills

**Semester IV**

DSC – 1D BCGN 241	-	Management Accounting - II
DSC – 2D BCGN 242	-	Cost Accounting
DSC – 3D BCGN 243	-	Income Tax
SEC - 2 BCGN 244	-	Arithmetic Skills

**Semester V**

SEC - 3 BCGN 351	-	Computer Application Skills
DSE – 1A BCGN 352	-	Financial Management
DSE – 2A BCGN 353	-	Financial Market Operations
DSE – 3A BCGN 354	-	Principles of Marketing
DSE – 4A BCGN 355	-	Consumer Behaviour
DSE – 5A BCGN 356	-	Corporate Accounting
GE - 1 BCGN 357	-	Principles Of Micro Economics

#### **Semester VI**

SEC - 4 BCGN 361	-	Entrepreneurial Skills
DSE – 1B BCGN 362	-	Bank Management
DSE – 2B BCGN 363	-	Essentials Of E-Commerce
DSE – 3B BCGN 364	-	Auditing
DSE – 4B BCGN 365	-	Organizational Behaviour
DSE – 5B BCGN 366	-	Human Resource Management
GE - 2 BCGN 367	-	Indian Economy

#### **SEMESTER III (for 2015-17 & 2016-19 batch)**

Major V	-	Corporate Accounting - I
Major VI	-	Company Law
Major VII	-	Business Statistics
Major VIII	-	Cost Accounting
Major IX	-	Entrepreneurial Development

#### **SEMESTER IV (for 2015-17 & 2016-19 batch)**

Major X	-	Corporate Accounting - II
Major XI	-	Business Communication
Major XII	-	Money and Financial system
Major XIII	-	Auditing
Major XIV	-	Business Mathematics

#### **SEMESTER V (for 2015-17 & 2016-19 batch)**

Major XV	-	Income Tax - I
Major XVI	-	Computer applications in Business (Theory)
Major Practical	-	Computer applications in Business (Practical)
Major XVII	-	Management Accounting - I
Major XVIII	-	Electives ** Paper I Principles of Marketing
Major XIX	-	Electives ** Paper 2 Consumer Behaviour

#### **SEMESTER VI (for 2015-17 & 2016-19 batch)**

Major XX	-	Income Tax -II
Major XXI	-	Management Accounting
Major XXII	-	Indirect Taxes
Major XXIII	-	Electives ** Paper 3 International Marketing
Major XXIV	-	Electives ** Paper 4 Advertising and sales promotions

## B.Sc. Branch – I Mathematics

### SEMESTER I

MIL – 1 LBEN/LHIN/LMAL/LSAN/ LTAM/LTEL 111 -	Bengali/Hindi/Malayalam/Sanskrit/ Tamil/Telugu
ENGLISH – 1 ENGL 112 -	English – I
DSC – 1A MATH 111 -	Theory of Equations and Trigonometry
DSC – 2A MATH 112 -	Differential Calculus
AECC – 1 PADM 113 -	Public Administration

### SEMESTER II

MIL – 2 LBEN/LHIN/LMAL/LSAN/ LTAM/LTEL 121 -	Bengali/Hindi/Malayalam/Sanskrit/Tamil/ Telugu 03
ENGLISH – 2 ENGL 122 -	English – II 03
DSC – 1B MATH 121 -	Analytical Geometry – 3D
DSC – 2B MATH 122 -	Integral Calculus
AECC – 2 ENV5 123 -	Environmental Studies

### SEMESTER III

DSC – 1C MATH (231) -	Abstract Algebra 04 02
DSC – 2C MATH (232) -	Real Analysis - I 04 02
DSC – 3C MATH (233) -	Statics 04 02
SEC – 1 MATH (234) -	Vector Calculus 02

### SEMESTER IV

DSC – 1D MATH (241) -	Linear Algebra 04 02
DSC – 2D MATH (242) -	Real Analysis - II
DSC – 3D MATH (243) -	Dynamics
SEC – 2 MATH (244) -	Logic and Lattices

### SEMESTER V

SEC – 3 MATH (351) -	Programming Lab in C - Practical
	MATH (352) Complex Analysis - I
MATH (353) -	Operation Research - I
MATH (354) -	Ordinary Differential Equations and Laplace Transforms
MATH (355) -	Graph Theory
MATH (356) -	Mathematical Statistics - I
GE – 1 MATH (357) -	Programming in C

### SEMESTER VI

SEC – 4 MATH (361) -	Programming Lab in Numerical methods using C - Practical
MATH (362) -	Complex Analysis –II
MATH (363) -	Operation Research - II
MATH (364) -	Partial Differential Equations
MATH (365) -	Fourier Series and Fourier Transform
MATH (366) -	Mathematical Statistics - II
GE – 2 MATH (367) -	Numerical Methods using C 03



**SEMESTER III (for 2015-17 & 2016-19 batch)**

Language	-	Paper-III
English	-	Paper-III
Main	-	Fourier series and Partial Differential Equations
Main	-	Real Analysis-I
Main	-	Statistics-I

**SEMESTER IV (for 2015-17 & 2016-19 batch)**

Language	-	Paper-IV
English	-	Paper-IV
Main	-	Theory of numbers and Fourier transform
Main	-	Real analysis-II
Main	-	Statistics-II

**SEMESTER V (for 2015-17 & 2016-19 batch)**

Main	-	Abstract algebra
Main	-	Complex analysis-I
Main	-	Mechanics-I: statistics
Main	-	Operation research-I
Main	-	Programming in C

**SEMESTER VI (for 2015-17 & 2016-19 batch)**

Main	-	Linear algebra
Main	-	Complex analysis-II
Main	-	Mechanics-I: Dynamics
Main	-	Operation research-II
Main	-	Numerical analysis using C

**B.Sc. Branch – II Physics****SEMESTER I**

MIL – 1	-	LBEN/LHIN/LMAL/LSAN/LTAM/LTEL
MIL – I 3 English – 1 ENGL-112	-	English
PHYSLAB-1		
PHYS – 110	-	Physics – Laboratory
DSC-1A PHYS-111	-	Mechanics of particles, rigid bodies and continuous media
DSC-2A PHYS-112	-	Kinetic theory and thermodynamics
Mathematics – I		
AECC-1 PADM-113	-	Public Administration

**SEMESTER II**

MIL–2	-	LBEN/LHIN/LMAL/LSAN/LTAM/LTEL
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MIL – II English – 2 ENGL-122	-	English – II
PHYSLAB-2		
PHYS– 120	-	Physics – Laboratory – II
DSC – 1B PHYS – 121	-	Oscillations, waves and acoustics
DSC – 2B PHYS – 122	-	Optics
Mathematics – II		
AECC-2 ENVS- 123	-	Environmental Studies

**SEMESTER III**

MIL – 3	-	LBEN/LHIN/LMAL/LSAN/LTAM/LTEL -231
English – 3 ENGL-232	-	English – III
PHYSLAB-3		
PHYS – 230	-	Physics – Laboratory – III
DSC– 1C PHYS - 231	-	Electricity and Magnetism
DSC – 2C PHYS – 232	-	Modern Physics and Relativity
Chemistry – I		
Chemistry Lab		

**SEMESTER IV**

MIL –4	-	LBEN/LHIN/LMAL/LSAN/LTAM/LTEL
English – 4 ENGL-242	-	English – IV
PHYSLAB-4		
PHYS – 240	-	Physics – Laboratory – IV
DSC– 1D PHYS - 241	-	Quantum Mechanics
DSC – 2D PHYS – 242	-	Electronics
Chemistry – II		
Chemistry Lab		

**SEMESTER V**

PHYSLAB-5		
PHYS – 350	-	Physics Laboratory – V
PHYSLAB-6		
PHYS – 351	-	Physics Laboratory – VI
DSE- 1A PHYS – 352	-	Solid State Physics
DSE– 2A PHYS - 353	-	Atomic and molecular Spectroscopy
DSE – 3A PHYS- 354	-	Digital Electronics
GE – 1 PHYS – 355 or PHYS-356		
Elective course – I		

**SEMESTER VI**

PHYSLAB-7		
PHYS – 360	-	Physics Laboratory – VII
PHYSLAB-8		
PHYS – 361	-	Physics Laboratory – VIII
DSE- 1B PHYS – 362	-	Numerical Methods and Computational Physics
DSE– 2B PHYS - 363	-	Nuclear Physics

DSE – 3B PHYS- 364 - Renewable Energy and Energy Harvesting  
 GE – 2 PHYS–365 or PHYS-366  
 Elective course – II

### SEMESTER III (for 2015-17 & 2016-19 batch)

Language - Paper - III  
 English - Paper - III  
 Main - Paper - V Optics  
 Main - Paper - VI Electricity  
 Allied - paper – III Chemistry - I & Practical

### SEMESTER IV (for 2015-17 & 2016-19 batch)

Language - Paper - IV  
 English - Paper - IV  
 Main - Paper - VI Magnetism & Electrodynamics  
 Main - Paper - VII Electronics  
 Allied - Paper – IV chemistry - II  
 Practical - Main Practical - I  
 Allied - Chemistry Practical]

### SEMESTER V (for 2015-17 & 2016-19 batch)

Main - Paper - IX Quantum Mechanics  
 Main - Paper - X Solid State Physics  
 Main - Paper - XI Laser & Molecular Spectroscopy  
 Main - Paper - XII Digital Electronics  
 Main - Paper - XIII Astro Physics - I  
 Main - Physical Practical III

### SEMESTER VI (for 2015-17 & 2016-19 batch)

Main - Paper - XIV Electromagnetic Waves & Relativity  
 Main - Paper - XV Atomic Physics  
 Main - Paper - XVI Nuclear Physics  
 Main - Paper - XVII Communication Electronics  
 Main - Paper - XVIII Numerical Methods & computer Application  
 Main - Practical - IV

## B.Sc. Branch - III Chemistry

### SEMESTER I

MIL – 1 - LBEN//LHIN/LMAL/LSAN/LTAM/LTEL  
 ENGLISH – 1 ENGL 112 - ENGLISH – 1  
 DSC – 1A UCHM 111 - General Chemistry – I  
 DSC – 2A UMAT 112 or UZOO 112

DSC – 3A UCHM 116	-	General Chemistry Practical - I
DSC – 4A UMAT 116 /UZOO 116	-	Mathematics Lab – I / Zoology Lab - I
AECC – 1 PADM 111	-	Public Administration 02 50 02 -

**SEMESTER II**

MIL – 2	-	LBEN//LHIN/LMAL/LSAN/LTAM/LTEL
ENGLISH– 2 ENGL 122	-	ENGLISH – 2
DSC – 1B UCHM 121	-	General Chemistry-II
DSC – 2B UMAT 122 or UZOO		
DSC – 3B UCHM 126	-	General Chemistry Practical – II
DSC – 4B UMAT 126 /UZOO 126	-	Mathematics Lab – II / Zoology Lab - II
AECC – 2 ENVS 121	-	Environmental Studies

**SEMESTER III**

MIL – 3	-	LBEN//LHIN/LMAL/LSAN/LTAM/LTEL
ENGLISH – 3 ENGL 232	-	ENGLISH – III
DSC – 1C UCHM 231	-	Physical Chemistry - I
DSC – 2C UCHM 232	-	Inorganic Chemistry - I
DSC – 3C UPHY 233	-	Physics - I
DSC – 4C UCHM 236	-	Physical and Inorganic Chemistry Practical
DSC – 5C UPHY 238	-	Physics Practical- I
SEC – 1(Any One to be Selected)		
UCHM 234	-	I.T. Skills for Chemists
UCHM 235	-	Basic Analytical Chemistry
UCHM 237	-	Chemical Technology and Society

**SEMESTER IV**

MIL – 4	-	LBEN//LHIN/LMAL/LSAN/LTAM/LTEL
ENGLISH – 4 ENGL 242	-	ENGLISH – IV
DSC – 1D UCHM 241	-	Physical Chemistry - II
DSC – 2D UCHM 242	-	Organic Chemistry - I
DSC – 3D UPHY 243	-	Physics - II
DSC – 4D UCHM 246	-	Physical and Organic Chemistry -Practical
DSC – 5D UPHY 248	-	Physics Practical- II SEC – 2
(Any One to be selected)		
UCHM 244	-	Analytical and Clinical Biochemistry
UCHM 245	-	Chemo informatics
UCHM 247 Business Skills for Chemists		

**SEMESTER V**

DSC – 1E UCHM 351	-	Inorganic Chemistry - II
DSE – 1A		
DSE – 2A		

(Any Two to be selected)

UCHM 352	-	Applications of Computers in Chemistry	
Applications of Computers in Chemistry - Practical			
UCHM 353	-	Analytical Methods in Chemistry	
Analytical Methods in Chemistry- Practical			
UCHM 354	-	Nano Chemistry	
Nano Chemistry - Practical			
UCHM 355	-	Green Chemistry	
Green Chemistry - Practical			
UCHM-356	-	Organometallics, Bioinorganic Chemistry & Polynuclear hydrocarbons	
Organometallics, Bioinorganic Chemistry & Polynuclear hydrocarbons			- Practical
UCHM-357	-	Research Methodology (Tutorial)	
DSC– 2E UCHM 350	-	Inorganic Chemistry Practical - II	
GE – 1 XXXX XXX	-	A course from other department	
SEC – 3(Any One to be Selected)			
UCHM 358	-	Green Methods in Chemistry	
UCHM 359	-	Pharmaceutical Chemistry	

#### SEMESTER VI

DSC– 1F UCHM 361	-	Organic Chemistry - II	
DSE – 1B			
DSE – 2B			
(Any 2 DSE Courses to be selected)			
UCHM 362	-	Analytical Chemistry	
Analytical Chemistry - Practical			
UCHM 363	-	Polymer Chemistry	
Polymer Chemistry - Practical			
UCHM 364	-	Molecular Modelling & Drug Design	
Molecular Modelling & Drug Design			- Practical
UCHM 365	-	Industrial Chemicals & Environment	
Industrial Chemicals & Environment			- Practical
UCHM 366	-	Dissertation	
DSC – 2F UCHM 360	-	Organic Chemistry Practical -II	
GE – 2 XXXX XXX	-	A course from other department	
SEC – 4 (Any One to be Selected)			
UCHM 367	-	Forensic Chemistry	

#### SEMESTER III (for 2015-17 & 2016-19 batch)

Language	-	Paper - III	
English	-	Paper - III	
Main	-	Paper - V Organic Chemistry - II	
Main	-	Paper - VI Analytical Chemistry	
Allied	-	Paper – I Physics (Theory)	

#### SEMESTER IV (for 2015-17 & 2016-19 batch)

Language	-	Paper - IV	
English	-	Paper - IV	

Main	-	Paper - VI Physical Chemistry - II
Main	-	Paper - VII Analytical Chemistry - II
Practical	-	Main Practical - I
Allied	-	Paper – IV Physics (Theory)
Allied	-	Physics Practical

#### **SEMESTER V (for 2015-17 & 2016-19 batch)**

Main	-	Paper - III Inorganic Chemistry - III
Main	-	Paper - Organic Chemistry - III
Main	-	Paper - Physical Chemistry - III
Main	-	Paper - I Elective Paper / Agricultural Chemistry
Main	-	Paper - V Practical
Main	-	Paper - VI Practical

#### **SEMESTER VI (for 2015-17 & 2016-19 batch)**

Main	-	Paper - IV Inorganic Chemistry - IV
Main	-	Paper - Organic Chemistry - IV
Main	-	Paper - Physical Chemistry - IV
Main	-	Paper - II Elective Paper / Agricultural Chemistry
Main	-	VII Practical
Main	-	VIII Practical

## **B.Sc Branch V Zoology**

### **SEMESTER I**

MIL – 1	-	LTAM/LFRE/LMAL/ LTEL/LHIN
ENGLISH -1		
DSC-1A UZOC 111	-	Biodiversity of Invertebrates
UZOP 114	-	Biodiversity of Invertebrates- Practical
DSC-2A UZOC 112	-	Basic Zoology
UZOP 115	-	Basic Zoology Practical
AECC – 1 PADM 113		

### **Botany Supportive Paper-I for Zoology**

UBOT 112	-	Bacteria, Algae, Fungi Archegoniatae, Angiosperms and economic Botany
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### **SEMESTER II**

MIL – 2	-	LTAM/LFRE/LMAL/ LTEL/LHIN
ENGLISH -1 ENGL 122		
DSC-1B UZOC 121	-	Biodiversity of Chordates and Vertebrates
UZOP 124	-	Biodiversity of Chordates and Vertebrates Practical
DSC-2B UZOC 122	-	Animals and Human Welfare

UZOP 125 - Animals and Human Welfare Practical  
 AECC – 2 ENVS 123

### **Botany Supportive Paper-II for Zoology**

UBOT 122 - Cytology, Anatomy, Physiology, Microbiology and Plant Ecology

### **SEMESTER III**

MIL – 3 - LTAM/LFRE/LMAL/ LTEL/LHIN 231  
 ENGLISH -3 ENGL 232  
 DSC-1C UZOC 231 - Animal Physiology  
 UZOP 234 - Animal Physiology Practical  
 DSC-2C UZOC 232 - Microbiology  
 UZOP 235 - Microbiology Practical  
 SEC – 1 UZOS 233 - Vermitechnology

### **SEMESTER IV**

MIL – 4 - LTAM/LFRE/LMAL/ LTEL/LHIN 241  
 ENGLISH – 4 ENGL 242  
 DSC-1D UZOC 241 - Developmental Biology  
 UZOP 244 - Developmental Biology Practical  
 DSC-2D UZOC 242 - Vector Biology  
 UZOP 245 - Vector Biology Practical  
 SEC – 2 UZOS 243 - Clinical Laboratory Technology

### **SEMESTER V**

SEC-3 UZOS 351 - Apiculture  
 DSE – 1A UZOE 352 - Immunology  
 UZOP 358 - Practical  
 UZOE 353 - Ornamental Fish Culture and Aquarium Technology  
 UZOP 358 - Practical  
 DSE – 2A UZOE 354 - Cell and Molecular Biology  
 UZOP 358 - Practical  
 DSE – 3A UZOE 355 - Biochemistry and Intermediary Metabolism  
 UZOP 358 - Practical  
 UZOE 356 - Bioinstrumentation  
 UZOP 358 - Practical  
 GE – 1 UZOG 357 - Public Health and Hygiene

### **SEMESTER VI**

SEC-4 UZOS 361 - Aquatic biology and Culture Techniques  
 DSE – 1A UZOE 362 - Endocrinology and Reproductive Biology  
 UZOP 368 - Practical  
 UZOE 363 - Poultry and Dairy Science  
 UZOP 368 - Practical

DSE – 2A UZOE 364	-	Evolution and Conservation Biology
UZOP 368	-	Practical
DSE – 3A UZOE 365	-	Genetics and Biotechnology
UZOP 368	-	Practical
UZOE 366	-	Biostatistics and Bioinformatics
UZOP 368	-	Practical
GE – 2 UZOG 367	-	Value Added Products of Animals

### **SEMESTER III (for 2015-17 & 2016-19 batch)**

Language	-	paper -III
English	-	Paper-III
Main	-	Paper –V Animal Diversity-III
Main	-	Paper VI Genetics
Main	-	Practical-III
Allied	-	Paper -III Allied Chemistry-I
Allied	-	Chemistry practical –I

### **SEMESTER IV (for 2015-17 & 2016-19 batch)**

Language	-	Paper -IV
English	-	Paper-IV
Main	-	Paper –VII Environmental Biology
Main	-	Paper VIII General Physiology
Main	-	Practical-IV
Allied	-	Paper –IV Allied Chemistry-II
Allied	-	Chemistry Practical -II

### **SEMESTER V (for 2015-17 & 2016-19 batch)**

Main	-	Paper –IX Biochemistry-I
Main	-	Paper- X Immunology
Main	-	Paper-XI Molecular Biology
Main	-	Paper-XII Evolution and Animal Behavior
Main	-	Paper –XIII instrumentation and Techniques
Main	-	Practical- V
Main	-	Practical-VI

### **SEMESTER VI (for 2015-17 & 2016-19 batch)**

Main	-	Paper –XIV Developmental Biology
Main	-	Paper- XV Biotechnology
Main	-	Paper-XVI Biostatistics and Bio-informatics
Main	-	Paper-XVI Aquaculture
Main	-	Practical-VII
Main	-	Practical- VIII

## **B.Sc. Branch-VI Computer Science**



**SEMESTER I**

MIL	-	LTAM/LHIN/LTEL/LMAL111
ENG ENGL112	-	English-I
DSC-1 CSCS113	-	Introduction to Problem Solving Using C
DSC-2 CSCS114	-	Digital Electronics
AECC-1 PADM115	-	Public Administration
DSC-1(lab) CSCS116	-	C lab
DSC-2 (lab) CSCS117	-	Digital lab

**SEMESTER II**

MIL	-	LTAM/LHIN/LTEL/LMAL121
Language-II ENG ENGL122	-	English-II
DSC - 3 CSCS123	-	PYTHON Programming
DSC - 4 CSCS124	-	Data Structures and Algorithms
GE – 1 (1out of 2)		
CSCS125	-	Mathematics for Computer Science
CSCS126	-	Numerical Methods
AECC-2 ENVS127	-	EVS
DSC-3 (lab) CSCS128	-	PYTHON lab
DSC- 4(lab) CSCS129	-	Data Structure & Algorithm lab

**SEMESTER III**

DSC – 5 CSCS231	-	Database Management System
DSC – 6 CSCS232	-	Visual Programming using C#
DSC – 7 CSCS233	-	Computer Networks
DSC – 8 CSCS234	-	Software Engineering
GE-2 (1 out of 2) CSCS235	-	Probability and Statistics
CSCS236	-	Automata Theory & Computations
DSC-6(lab) CSCS237	-	Visual Programming & RDBMS lab
DSC-7(lab) CSCS238	-	Network lab
1 out of 2		
CSCS201	-	SEC-1 Soft Skills
CSCS202	-	SEC-2 Office Automation

**SEMESTER IV**

FDSC – 9 CSCS241	-	Operating Systems
DSC – 10 CSCS242	-	Object Oriented Programming using Java
DSE – 1		
DSE – 2 (2 out of 5 streams)		
CSCS243	-	Client/Server Computing
CSCS244	-	Data Warehousing
CSCS245	-	Object Oriented System Design
CSCS246	-	Principles of Information Security
CSCS247	-	Principles of Programming Languages
OE-2 (1 out of 2)		
CSCS248	-	Distributed System

CSCS249	-	Computer Graphics
DSC-10 (lab) CSCS250	-	Object Oriented Programming lab - 1 out of 2
CSCS301	-	SEC-3 Programming with C++ 1
CSCS302	-	SEC-4 Programming with PHP

### SEMESTER V

DSC – 11 CSCS351	-	Web Technology DSE – 3
DSE – 4 (2 out of 5)		
CSCS352	-	Services Computing
CSCS353	-	Data Mining
CSCS354	-	Software Architecture
CSCS355	-	Cryptography and Network Security
CSCS356	-	System Software
OE-2 (1 out of 2)		
CSCS357	-	Artificial Intelligence
CSCS358	-	Introduction to E-Commerce
DSC-11 (lab) CSCS259	-	Web Technology lab
1 out of 3		
CSCS401	-	SEC-5 Android Programming
CSCS402	-	SEC-6 PROLOG Programming
CSCS403	-	SEC-7 Software Testing
Compulsory CSCS404	-	SEC-8 Online Course / In-Plant Training (2 weeks) / One month Internship / mini project

### SEMESTER VI

DSC – 12 CSCS361	-	Microprocessors & Microcontrollers
DSC – 13 CSCS362	-	PROJECT
DSE - 5		
DSE – 6		
(2 out of 5)		
CSCA363	-	Cloud Computing
3CSCA364	-	Foundations of Data Analytics
CSCA365	-	Software Quality Management
CSCA366	-	Ethical Hacking
CSCA367	-	Principles of Compiler Design
DSC-12 (lab) CSCS368	-	Micro processor lab

### SEMESTER III (for 2015-17 & 2016-19 batch)

English	-	Paper –V Communication skills-I
Main	-	Paper-V Data structures
Main	-	Paper-VI –Object Oriented Programming
Main	-	Paper VII- Microprocessor & Assembly Language Program
Main	-	Practical-V data structure & OOPS Lab
Main	-	Practical-VI Microprocessor & Assembly Language Program-Lab
Allied	-	Paper –III Probability & Statistics

**SEMESTER IV (for 2015-17 & 2016-19 batch)**

English	-	Communication Skills-II
Main	-	Paper-VII Data Java programming
Main	-	Paper-IX Computer Algorithms
Main	-	Paper –X Operating system
Main	-	Paper-XI Database Management
Main	-	Practical-VIII RDBMS Lab

**SEMESTER V: (for 2015-17 & 2016-19 batch)**

Main	-	Paper-XII- Computer network
Main	-	Paper-XIII- Visual Programming
Main	-	Paper –XIV –Software Engineering
Main	-	Paper-XV System Software
Main	-	Paper – Elective-I
Main	-	Practical-Computer Networks Lab and OS (Unix) Lab
Main	-	Practical –X Visual Programming Lab

**SEMESTER VI (for 2015-17 & 2016-19 batch)**

Main	-	Paper-XV-Artificial intelligence
Main	-	Paper-XVII-Web Technology
Main	-	Paper –Elective-II
Main	-	practical –Web Technology Lab
Main	-	Practical- Project

**List of Electives**

1. Multimedia Concepts
2. Distributed Computing
3. Bio –Informatics
4. Information Security
5. Software Testing
6. Pervasive Computing
7. Soft Computing
8. Advance Bases
9. Data Warehousing and Mining
10. Mobile Technologies

**SCHEME OF UNIVERSITY EXAMINATIONS FOR P.G. COURSES****M.A. Economics****SEMESTER I**

Paper – I	-	Micro Economic Analysis-I
Paper – II	-	Macro Economic Analysis-I
Paper – III	-	Mathematical Economics
Paper – IV	-	Econometric Theory
Paper – V	-	Economics of growth and Development

**SEMESTER II**

Paper – VI	-	Micro Economic Analysis-II
Paper – VI	-	Macro Economic Analysis-II
Paper – VIII	-	Statistical methods in Economics
Paper – IX	-	Applied Econometrics
Paper – X	-	Public Economics

**SEMESTER III**

Paper – XI	-	International Trade and Finance
Paper – XII	-	Contributions by Nobel Laurates – I
Paper – XIII	-	Computer Application Economics Analysis
Paper – XIV	-	Research methodology
Paper – XV	-	Indian Economics issues & policies-I

**SEMESTER IV**

Paper – XVI	-	Indian Economic issues & policies –II
Paper – XVII	-	Financial economics
Paper – XVIII	-	Contributions of Nobel Laureates – II
Project work		

**M.Com****SEMESTER I**

Major – I	-	Management concepts and organizational behaviour
Major – II	-	Business environment
Major – III	-	Advanced Financial Accounting
Major – IV	-	Statistical methods
Major – V	-	Human resource management

**SEMESTER II**

Major – VI	-	Managerial Economics
Major – VII	-	Accounting for Managerial decisions
Major – VIII	-	Marketing management
Major – IX	-	Financial management
Major – X	-	Entrepreneurship and small Business management

**SEMESTER III**

Major – XI	-	Financial markets and services
Major – XII	-	Economic legislation
Major – XIII	-	Corporate tax planning
Paper – I	-	Optional paper – I Advertisement and Sales Management
Paper – II	-	Optional paper – II Marketing Research

**SEMESTER IV**

Major – XIV	-	Strategic management
Major – XV	-	E-Commerce
Major – XVI	-	Corporate reporting practices
Paper – III	-	Optional paper – III Brand Management
Paper – IV	-	Optional paper – IV Services Marketing