

B.COM (Computer Applications)
CBCS COURSE STRUCTURE
w.e.f. 2019-'20

Sl.No. (1)	Code (2)	Course Title (3)	HPW (5)	Credits (6)	Exam Hrs (7)	Marks (8)
SEMESTER - I						
1.	ELS1	English (First Language)	4	4		
2.	SLS1	Second Language	4	4		
3.	AECC1	a)Environmental Science/ b)Basic Computer Skills	2	2	1 ½ hrs	40U+10I
4.	DSC101	Financial Accounting-I	5	5	3 hrs	80U+20I
5.	DSC102	Business Organization and Management	5	5	3 hrs	80U+20I
6.	DSC103	Fundamentals of Information Technology	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	27	25		
SEMESTER - II						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	a)Basic Computer Skills/ b)Environmental Science	2	2	1 ½ hrs	40U+10I
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Programming with C & C++	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	27	25		
SEMESTER - III						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	SEC1UGC Specified Course	Communication Skills Professional Skills	2	2	1 ½ hrs	40U+10I
16.	SEC2Dep t. Specified Course	a)Principles of Insurance/ b)Foundation of Digital Marketing & Web Design	2	2	1 ½ hrs	40U+10I
17.	DSC301	Advanced Accounting	5	5	3 hrs	80U+20I
18.	DSC302	Business Statistics-I	5	5	3 hrs	80U+20I
19.	DSC303	Relational Database Management System	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	27	25		
SEMESTER - IV						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3 UGC Specified Course	Leadership & Management Skills Universal Human Values	2	2	1 ½ hrs	40U+10I
23.	SEC4Dep t. SpecifiedC	a)Practice of Life and General Insurance / b)Social Media Marketing Search Engine Optimization & Online Advertising	2	2	1 ½ hrs	40U+10I

B.COM (Computer Applications)
CBCS COURSE STRUCTURE
w.e.f. 2019-'20

Sl.No.	Code	Course Title	HPW	Credits	Exam Hrs	Marks
(1)	(2)	(3)	(5)	(6)	(7)	(8)
SEMESTER - I						
1.	ELS1	English (First Language)	4	4		
2.	SLS1	Second Language	4	4		
3.	AECC1	a)Environmental Science/ b)Basic Computer Skills	2	2	1 ½ hrs	40U+10I
4.	DSC101	Financial Accounting-I	5	5	3 hrs	80U+20I
5.	DSC102	Business Organization and Management	5	5	3 hrs	80U+20I
6.	DSC103	Fundamentals of Information Technology	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			27	25		
SEMESTER - II						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	a)Basic Computer Skills/ b)Environmental Science	2	2	1 ½ hrs	40U+10I
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Programming with C & C++	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			27	25		
SEMESTER - III						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	SEC1UGC Specified Course	Communication Skills Professional Skills	2	2	1 ½ hrs	40U+10I
16.	SEC2Dep t. Specified Course	a)Principles of Insurance/ b)Foundation of Digital Marketing & Web Design	2	2	1 ½ hrs	40U+10I
17.	DSC301	Advanced Accounting	5	5	3 hrs	80U+20I
18.	DSC302	Business Statistics-I	5	5	3 hrs	80U+20I
19.	DSC303	Relational Database Management System	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			27	25		
SEMESTER - IV						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3 UGC Specified Course	Leadership & Management Skills Universal Human Values	2	2	1 ½ hrs	40U+10I
23.	SEC4Dep t. SpecifiedC	a)Practice of Life and General Insurance / b)Social Media Marketing Search Engine Optimization & Online Advertising	2	2	1 ½ hrs	40U+10I

Faculty of Commerce

OU

24.	DSC401	Income Tax	5	5	3 hrs	80U+20I
25.	DSC402	Business Statistics-II	5	5	3 hrs	80U+20I
26.	DSC403	Web Technologies	3T+4P	5	1 ½ hrs	50T+35P+15I
Total			27	25		
SEMESTER - V						
27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	a) Business Economics / b) Advanced Aspects of Income Tax	4	4	3 hrs	80U+20I
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	5	5	3 hrs	80U+20I
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	3T+4P/ 5	5	3 hrs	50T+35P + 15I/ 80U+20I
32.	DSE503	a) Management Information Systems/ b) Ecommerce/c) Mobile Applications	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			29/27	25		
SEMESTER - VI						
33.	ELS6	English (First Language)	3	3		
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15VV
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	3T+4P/ 5	5	3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	a) Multimedia Systems/ b) Cyber Security/c) Data Analytics	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			31/29	25		
GRAND TOTAL			168/164	150		

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; I: Internal Exam U: University Exam; PR: Project Report; VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
TOTAL		40		150
Commerce		24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

BA Political Science

Courses offered under CBCS system from 2019-20 onwards as per TSCHE guidelines (Applicable to all the Telangana State Universities)

Discipline specific courses (DSC)

1st Semester

Understanding Political Theory

IIInd Semester

Western Political Thought

IIIrd Semester

Indian Political Thought

IV th Semester

Constitution and Politics of India

Discipline specific Electives (DSE)

Vth Semester

I. International Relations

Or

II. Government and Politics in Telangana

VI Semester

I. Global Politics

Or

II . Contemporary social movements

Generic Elective (GE)

Vth Semester

Politics of Development

Project Work / Optional Paper

VI the Semester

Contemporary Political Theory

P. V. Uluru Rao

PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet

**TELANGANA STATE COUNCIL OF HIGHER EDUCATION
PROPOSED CBCS COMMON CORE SCHEME FOR B.S.C. COURSE
OPTIONAL -1: BOTANY**

CODE	PAPER TITLE	Course Type	HPW	Credits
FIRST YEAR SEMSTER - I				
BS 104	PAPER-I : Microbial Diversity and Lower Plants	DSC-1A	4T+2P=6	4+1=5
FIRST YEAR SEMSTER - II				
BS 204	PAPER-II: Gymnosperms, Taxonomy of Angiosperms and Ecology	DSC-1B	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - III				
BS 301	SEC-1: Nursery and Gardening	SEC-1	2	2
BS 302	SEC-2: Biofertilizers and Organic Farming	SEC-2	2	2
BS 304	PAPER-III: Plant Anatomy and Embryology	DSC-1C	4T+2P=6	4+1=5
SECOND YEAR SEMSTER - IV				
BS 401	SEC-3: Greenhouse Technology	SEC-3	2	2
BS 402	SEC-4: Mushroom Culture Technology	SEC-4	2	2
BS 404	PAPER-IV : Cell Biology, Genetics & Plant Physiology	DSC-1D	4T+2P=6	4+1=5
THIRD YEAR SEMESTER - V				
BS 501	GE-1: Industrial Microbiology	GE-1	4T	4
BS 502	DSE -1A: Biodiversity & Conservation DSE -1B: Economic Botany DSE -1C: Seed Technology	DSE-1A / DSE-1B / DSE-1C	4+2	4+1
THIRD YEAR SEMESTER - VI				
BS 601	DSE-3: Project	PROJECT	4	4
BS 602	DSE -2A: Plant Molecular Biology DSE -2B: Tissue Culture and Biotechnology DSE -2C: Analytical Techniques in Plant Sciences	DSE-2A / DSE-2B / DSE-5E	4T+2P=6	4+1=5

AECC: Ability Enhancement Compulsory Course, **SEC:** Skill Enhancement Course, **GE:** Generic Elective, **DSC:** Discipline Specific Core, **DSE:** Discipline Specific Elective.

P. V. Uma Devi
PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet

Annexure – I (Credits)
Proposed CBCS Scheme for B.Sc.
w.e.f 2019-20

Courses		Papers	Total Credits	Credits for each paper / Semester					
				B.Sc.					
				I	II	III	IV	V	VI
Core Courses DSC	Optional-1	4	20	5	5	5	5	-	-
	Optional-2	4	20	5	5	5	5	-	-
	Optional-3	4	20	5	5	5	5	-	-
Elective Courses DSE	Optional-1	2	10	-	-	-	-	5	5
	Optional-2	2	10	-	-	-	-	5	5
	Optional-3	2	10	-	-	-	-	5	5
Language	English(First Language)	5	20	4	4	3	3	3	3
	Second Language	5	20	4	4	3	3	3	3
Ability Enhancement Compulsory Course AECC	Environmental Science / Basic Computer Skills	1	2	2	-	-	-	-	-
	Basic Computer Skills / Environmental Science	1	2	-	2	-	-	-	-
Skill Enhancement Course SEC	SEC1	1	2	-	-	2	-	-	-
	SEC2	1	2	-	-	2	-	-	-
	SEC3	1	2	-	-	-	2	-	-
	SEC4	1	2	-	-	-	2	-	-
Generic Elective GE	Open Stream	1	4	-	-	-	-	4	-
Project Work/Optionals		1	4	-	-	-	-	-	4
Total Credits in each semester				25	25	25	25	25	25
Total Credits in UG				150					
Credits under Non-CGPA		NSS /NCC /sports / Extra curricular	6	Upto 6 (2 in each year)					
		Summer Internship	4	Upto 4 (2 in each, after I & II years)					

Annexure II

Proposed New Grading System

SGPA (SEMESTER GRADE POINT AVERAGE)			
S. No.	Grade Point	Range of marks	Grade Letter
1	10	Equal to and above 90 Marks	A+
2	9	More than or equal to 80 and less than 90 Marks	A
3	8	More than or equal to 70 and less than 80 Marks	B+
4	7	More than or equal to 60 and less than 70 Marks	B
5	6	More than or equal to 55 and less than 60 Marks	C+
6	5	More than or equal to 50 and less than 55 Marks	C
7	4	More than or equal to 40 and less than 50 Marks	D
8	0	Below 40 Marks	F

B.Sc. ZOOLOGY SYLLABUS UNDER CBCS 2019-20
CURRICULUM FOR ZOOLOGY
IN UNDER GRADUATE DEGREE PROGRAMME
CBCS SYLLABUS SCHEDULE 2019-20
Osmania University

Year	Semester	Paper		Title of the Paper	No. of Credits	Exam Hrs.	Max. Marks		
							I.A	End Exam	Total
I	I	Paper - I	Core-I Theory	Animal Diversity- Invertebrates	4	2	20	80	100
			Core-I Practical	Animal Diversity- Invertebrates	1	2	10	40	50
	II	Paper - II	Core-II Theory	Animal Diversity- Vertebrates	4	2	20	80	100
			Core-II Practical	Animal Diversity- Vertebrates	1	2	10	40	50
II	III	Paper - III	Core-III Theory	Animal Physiology and Animal Behaviour	4	2	20	80	100
			Core-III Practical	Animal Physiology and Animal Behaviour	1	2	10	40	50
			SEC-1	Sericulture / Apiculture	2	2	10	40	50
			SEC-2	Public Health and Hygiene/ Medical Diagnostics	2	2	10	40	50
	IV	Paper - IV	Core-IV Theory	Cell Biology, Genetics, and Developmental Biology	4	2	20	80	100
			Core-IV Practical	Cell Biology, Genetics, and Developmental Biology	1	2	10	40	50
			SEC-3	Poultry and Animal Husbandry/ Vermiculture/ Vector Biology	2	2	10	40	50
			SEC-4	Biomaterials from Animals sources / Aquaculture/ Aquarium Fish Keeping	2	2	10	40	50
III	V	Paper - V	DSE-I Theory	Physiological Chemistry and Endocrinology/ Laboratory Animals Maintenance and Applications / Immunology and Animal Biotechnology	4	2	20	80	100
			DSE -I Practical	Physiological Chemistry and Endocrinology/ Laboratory Animals Maintenance and Applications / Immunology and Animal Biotechnology	1	2	10	40	50
			GE - I Theory	Preventive Medicine / Integrated Pest Management	4	2	20	80	100
	VI	Paper - VI	DSE-II Theory	Fisheries / Limnology / Ecology, Zoogeography and Evolution	4	2	20	80	100
			DSE-II Practical	Fisheries / Limnology / Ecology, Zoogeography and Evolution	1	2	10	40	50
				Project / Tools and Techniques in Biology	4	2	20	80	100
					46	36	260	1040	1300

DSC – Discipline Specific Core; DSE – Discipline Specific Elective; SEC – Skill enhancement Course; GE- Generic Elective (Open streams)

*Practical one credit equal to 3 hours of instruction

CHAIR MEN
Board of Studies in Zoology
Osmania University.

P. V. Umesha
PRINCIPAL
 2 Govt. Degree College for Women
 GAJWEL, Dist. Siddipet

Department of Zoology (46 credits)

Structured syllabus under CBCS for 2019-20 onwards to under graduate course

I. Discipline core course: (5 credits each) (I, II, III, IV Semester)

1. Animal Diversity – Invertebrates
2. Animal Diversity – Vertebrates
3. Animal Physiology and Animal Behaviour
4. Cell Biology, Genetics, and Developmental Biology

II. Discipline specific Elective: (5 credits each – any one paper in V Semester and VI Semester)

1. Physiological Chemistry and Endocrinology
2. Immunology and Animal Biotechnology
3. Laboratory Animals Maintenance and Applications
4. Fisheries
5. Limnology
6. Ecology, Zoogeography and Evolution

III. Skill enhancement course: (2 credits) 2 paper in III Semester and 2 papers in IV Semester)

1. Sericulture
2. Apiculture
3. Public health and hygiene
4. Medical diagnostics
5. Poultry and Animal husbandry
6. Vermiculture
7. Vector biology
8. Biomaterial from Animal Source
9. Aquaculture
10. Aquarium Fish Keeping

IV. Generic elective (Open stream) – (4 credit only in V Semester)

1. Preventive Medicine
2. Integrated Pest Management

V. Project/optional paper (4 credit only in VI Semester) In case of not opting project

1. Tools and Techniques in Biology


CHAIR MEN
Board of Studies in Zoology,
Osmania University, Hyd-07.

**Telangana State Council of Higher Education, Govt. of Telangana B.Sc., CBCS Common
Core Syllabi for all Universities in Telangana
PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN
B.Sc., Chemistry from 2019-2020**

FIRST YEAR- SEMESTER I

CODE	COURSE TITLE	COURSE TYPE	HPW	CREDITS
BS 101	Ability Enhancement Compulsory Course AECC-1	ES	2	2
BS 102	English	CC-1A	4	4
BS 103	Second language	CC-2A	4	4
BS 104	Optional I	DSC-1A	4T+3P=7	4+1=5
BS 105	Optional II	DSC-2A	4T+3P=7	4+1=5
BS 106	Optional III- Chemistry - I	DSC-3A	4T } 3P } = 7	4 } 1 } = 5
	Laboratory Course – I (Qualitative Analysis - Semi Micro Analysis of Mixtures)			
Total Credits			31	25

FIRST YEAR- SEMESTER II

BS 201	Ability Enhancement Compulsory Course AECC-2	BCS	2	2
BS 202	English	CC-1B	4	4
BS 203	Second language	CC-2B	4	4
BS 204	Optional I	DSC-1B	4T+3P=7	4+1=5
BS 205	Optional II	DSC-2B	4T+3P=7	4+1=5
BS 206	Optional III- Chemistry - II	DSC-3B	4T } 3P } = 7	4 } 1 } = 5
	Laboratory Course - II (Quantitative Analysis – Titrations)			
Total Credits			31	25

SECOND YEAR- SEMESTER III

BS 301	i) Safety Rules in Chemistry Laboratory and Lab Reagents ii) Remedial methods for pollution, drinking water and Soil fertility	SEC-1 SEC-2	2 2	2 2
BS 302	English	CC-1C	3	3
BS 303	Second language	CC-2C	3	3
BS 304	Optional I	DSC-1C	4T+3P=7	4+1=5
BS 305	Optional II	DSC-2C	4T+3P=7	4+1=5
BS 306	Optional III- Chemistry - III	DSC-3C	4T } 3P } = 7	4 } 1 } = 5
	Laboratory Course - III (Synthesis of Organic compounds)			
Total Credits			31	25

SECOND YEAR- SEMESTER IV

BS 401	i) Materials and their Applications ii) Chemistry of Cosmetics and Food Processing	SEC-3 SEC-4	2 2	2 2
BS 402	English	CC-1D	3	3
BS 403	Second language	CC-2D	3	3
BS 404	Optional I	DSC-1D	4T+3P=7	4+1=5
BS 405	Optional II	DSC-2D	4T+3P=7	4+1=5
BS 406	Optional III- Chemistry - IV	DSC-3D	4T } 3P } = 7	4 } 1 } = 5
	Laboratory Course - IV (Qualitative Analysis of Organic Compounds)			
Total Credits			31	25

* AECC: Ability Enhancement Compulsory Course, SEC: Skill Enhancement Course, DSC: Discipline Specific Course, GE: Generic Elective, ES: Environmental Science , BCS : Basic computer skills.

P. V. Chandra Sekhri
PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet

B.Sc., Chemistry, III Year, CBCS Syllabus

Telangana State Council of Higher Education, Govt. of Telangana B.Sc, CBCS Common
Core Syllabi for all Universities in Telangana
PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN
B.Sc., Chemistry (for the batch admitted in 2019-2020)

THIRD YEAR- SEMESTER V

CODE	COURSE TITLE	COURSE TYPE	HPW	CREDITS
BS 501	Chemistry of Cosmetics, Food Processing, Drugs and Pharmaceuticals	GE	4	4
BS 502	English	CC-1E	3	3
BS 503	Second language	CC-2E	3	3
BS 504	Optional- I A/B	DSE -1E	-----	4+1=5
BS 505	Optional- II A/B	DSE -2E	-----	4+1=5
BS 506	Optional- III A/B A. Spectroscopy and Chromatography (or) B. Metallurgy, Dyes and Catalysis	DSE -3E	4T } 3P } = 7	4 } 1 } = 5
	Laboratory Course -V Experiments in Physical Chemistry-I			
	TOTAL			25

THIRD YEAR- SEMESTER VI

BS 601	Project in Chemistry/ Advanced Chemistry			4
BS 602	English	CC-1F	3	3
BS 603	Second language	CC-2F	3	3
BS 604	Optional- I A/B	DSE-1F	-----	4+1=5
BS 605	Optional- II A/B	DSE -2F	-----	4+1=5
BS 606	Optional- III A/B A. Medicinal Chemistry (or) B. Agricultural and Fuel Chemistry	DSE -3F	4T } 3P } = 7	4 } 1 } = 5
	Laboratory Course -VI Experiments in Physical Chemistry-II			
	TOTAL			25
	TOTAL Credits			150

Chh

P. V. Umesa Rao

PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Kadapa

[Signature]

[Signature]

Telangana State Council of Higher Education, Govt. of Telangana B.Sc.,
CBCS Common Core Syllabi for all Universities in Telangana
B.Sc - Biotechnology (wef 2019)

FIRST YEAR- SEMESTER I

CODE	COURSE TITLE	COURSE TYPE	HPW	CREDITS
BS 101	Environmental Science/Basic Computer Skills	AECC-1	2	2
BS 102	English	CC-1A	4	4
BS 103	Second language	CC-2A	4	4
BS 104	Optional I- Cell biology and Genetics	DSC-1A	4T+3P=7	4+1=5
BS 105	Optional II	DSC-2A	-----	4+1=5
BS 106	Optional III	DSC-3A	-----	4+1=5
	TOTAL			25

FIRST YEAR- SEMESTER II

BS 201	Gender Sensitization	AECC-2	2	2
BS 202	English	CC-1B	4	4
BS 203	Second language	CC-2B	4	4
BS 204	Optional I- Biological Chemistry and Microbiology	DSC-1B	4T+3P=7	4+1=5
BS 205	Optional II	DSC-2B	-----	4+1=5
BS 206	Optional III	DSC-3B	-----	4+1=5
	TOTAL			25

SECOND YEAR- SEMESTER III

BS 301	SEC 1: Industrial Fermentations	SEC-1	2	2
BS 302	SEC 2: Immunological techniques	SEC-2	2	2
BS 303	English	CC-1C	3	3
BS 304	Second language	CC-2C	3	3
BS 305	Optional I- Molecular Biology and Recombinant DNA Technology	DSC-1C	4T+3P=7	4+1=5
BS 306	Optional II	DSC-2C	-----	4+1=5
BS 307	Optional III	DSC-3C	-----	4+1=5
	TOTAL			25

SECOND YEAR- SEMESTER IV

BS 401	SEC 3: Molecular markers in plant breeding	SEC-3	2	2
BS 402	SEC 4: Drug designing	SEC-4	2	2
BS 403	English	CC-1D	3	3
BS 404	Second language	CC-2D	3	3
BS 405	Optional I- Bioinformatics and Biostatistics	DSC-1D	4T+3P=7	4+1=5
BS 406	Optional II	DSC-2D	-----	4+1=5
BS 407	Optional III	DSC-3D	-----	4+1=5
	TOTAL			25

P. V. Uma Devi
PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet

S. S. Sankar
HEAD
Department of Genetics
Osmania University, Hyd-7.

THIRD YEAR- SEMESTER V

CODE	COURSE TITLE	COURSE TYPE	HPW	CREDITS
BS 501	English	CC-1E	3	3
BS 502	Second language	CC-2E	3	3
BS 503	Basics in Biotechnology	GE	4	4
BS 504	Optional I- A/B (A) Plant Biotechnology or (B) Medical Biotechnology	DSE -1E	4T+3P=7	4+1=5
BS 505	Optional- II A/B	DSE -2E	-----	4+1=5
BS 506	Optional- III A/B	DSE -3E	-----	4+1=5
	TOTAL			25


THIRD YEAR- SEMESTER VI

BS 601	Project in Biotechnology/ Optional I: (IPR, Biosafety and Entrepreneurship)	Project work/Opt.P	4	4
BS 602	English	CC-1F	3	3
BS 603	Second language	CC-2F	3	3
BS 604	Optional II- A/B (A) Animal Biotechnology or (B) Environmental Biotechnology	DSE-1F	4T+3P=7	4+1=5
BS 605	Optional- II A/B	DSE -2F	-----	4+1=5
BS 606	Optional- III A/B	DSE -3F	-----	4+1=5
	TOTAL			25
	TOTAL Credits			150


Total credits= 164-12 (AECC 4 + SEC 8) =15

- AECC:** Ability Enhancement Compulsory Course
- SEC:** Skill Enhancement Course
- SEC*:** SEC(UGC Recommended courses)
- DSC:** Discipline Specific Course
- DSE:** Discipline Specific Elective
- GE:** Generic Elective

Previously recommended SEC 1: Enzyme Technology* and SEC 4: Intellectual Property Rights* have been changed to two UGC recommended SEC courses. SEC 1: **Industrial Fermentation*** and SEC 4: **Drug designing***


PRINCIPAL
 Govt. Degree College for Women
 GAJWEL, Dist. Siddipet

3

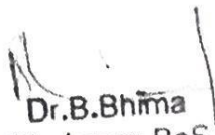

Dr. Smita C. Pawar
 Head & Associate Professor
 Chairperson- BoS in Biotechnology
 Department of Genetics & Biotechnology
 Osmania University, Hvd-07


Telangana State Council of Higher Education, Govt. of Telangana
(Osmania University)
PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.Sc.
MICROBIOLOGY (2020-21)

Code	Course Title	Course Type	HPW	Credits
FIRST YEAR-SEMESTER-1				
BS	AEC-1			2
BS	English			4
BS	Second Language			4
BS	General Microbiology	DSC-1A	4+2	5
BS	Optional-II			5
BS	Optional-III			5
SEMESTER-2				
BS	AEC-2			2
BS	English			4
BS	Second Language			4
BS	Microbial Diversity	DSC-1B	4+2	5
BS	Optional-II			5
BS	Optional-III			5
SECOND YEAR-SEMESTER-3				
BS	Haematology	SEC-1	2	2
BS	UGC Given	SEC-2		2
BS	English			3
BS	Second Language			3
BS	Food & Environmental Microbiology	DSC-1C	4+2	5
BS	Optional-II			5
BS	Optional-III			5
SEMESTER-4				
BS	Mushroom Cultivation	SEC-3	2	2
	UGC Given	SEC-4		2
	English			3
BS	Second Language			3
BS	Medical Microbiology & Immunology	DSC-1D	4+2	5
BS	Optional-II			5
BS	Optional-III			5
THIRD YEAR-SEMESTER-5				
	English			3
	Second language			3
BS	Microbiology and Human Health	GE	4	4
BS	1A. Molecular Biology & Microbial Genetics or 1B. Microbial Omics	DSE-I	3+2	5
BS	Optional-II			5
BS	Optional-III			5

Dr. B. Bhima
1

SEMESTER-6				
BS	English			3
BS	Second language			3
BS	2.A Industrial Microbiology 2.B Pharmaceuical Microbiology	DSE-2	4+2	5
BS	PROJECT WORK / Applied Microbiology		3+2	4
BS	Optional-II-A/B/C			5
BS	Optional-III-A/B/C			5
Total				150


 Dr. B. Bhima
 Chairman, BoS
 Dept. of Microbiology
 Osmania University, Hyd.


PRINCIPAL
 Govt Degree Collage for Women
 GAJWEL, Dist. Siddipet

**B.Sc. PHYSICS SYLLABUS UNDER CBCS SCHEME
SCHEME OF INSTRUCTION
(Revised and effective from academic year 2019-2020)**

Semester	Paper [Theory and Practical]	Instructions Hrs/week	Marks	Credits
I	Paper – I : Mechanics & Oscillations	4	100	4
	Practicals – I : Mechanics & Oscillations	3	50	1
II	Paper – II: Thermal Physics	4	100	4
	Practicals – II : Thermal Physics	3	50	1
III	Paper – III : Electromagnetic Theory	4	100	4
	Practicals – III : Electromagnetic Theory	3	50	1
IV	Paper – IV : Waves & Optics	4	100	4
	Practicals – IV :Waves & Optics	3	50	1
V	Paper –V : A. Modern Physics B. Computational Physics	4	100	4
	Practicals – V: A. Modern Physics B. Computational Physics	3	50	1
VI	Paper – VI : A. Electronics B. Applied Optics	4	100	4
	Practicals VI: A. Electronics B. Applied Optics	3	50	1

Total credits: 30

Skill Enhancement Courses

1. Experimental methods and Errors analysis
2. Electrical circuits and Networking
3. Basic Instrumentation
4. Biomedical Instrumentation
5. Digital Electronics

Generic Elective:

1. Renewable Energy & Energy Harvesting

Project work /Optional (Nano science)

P. N. Chandra Sekhri
PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet


[Signature]
HEAD
Department of Physics
University College of Science
Osmania University, Hyd-

[Signature]
CHAIRMAN
Board of Studies in Physics
Osmania University, Hyd.

DEPARTMENT OF ECONOMICS

Year	Semester	DSC/GE/ DSE/SEC	Paper	Title of the Paper	Credits	Hours PW
I	I	DSC*101	Paper - I	Micro Economics	5	5
		AEC	AEC	Environmental Science/ Basic Computer kills	2	2
	II	DSC*201	Paper - II	Macro Economics	5	5
II		AEC	AECC	Environmental Science/ Basic Computer kills	2	2
	III	DSE-301	Paper - III	Statistics for Economics	5	5
		SEC-1	SEC-I	Computer Applications	2	2
		SEC-2	SEC-II	Rural Development	2	2
	IV	DSC*401	Paper - IV	Indian Economy	5	5
		SEC-3	SEC-III	Data Analysis	2	2
		SEC-4	SEC-IV	Entrepreneurship and Development	2	2
III	V	GE**	Paper - I	Telangana Economy	4	4
		DSE*501	Elective- A	Agricultural Economics	5	5
		DSE*501	Elective - B	Public Economics	5	5
		DSE*501	Elective - C	Economics of Environment	5	5
	VI	DSE*601	Paper - A	International Economics	5	5
		DSE*601	Paper B	Development Economics	5	5
		DSE*601	Paper - C	Industrial Economics	5	5
		Project/Op tional	Project/ Optional	Financial Economics	4	4

* DSC (Discipline Specific Course), SEC (Skill Enhancement Course) & DSE (Discipline Specific Elective) for Students of Economics. (PW) Per week. ** GE (Generic Elective) or Inter-Disciplinary Course for Students of Social Sciences other than Economics.


 PRINCIPAL
 Govt. Degree College for Women
 GAJWEL, Dist. Siddipet

(Prof. B. Sudhakar Reddy)
 Chairman Board of Studies

Telangana State Council of Higher Education

B.A/B.Sc. Mathematics Course Structure

(Common Core Syllabus for All Universities of Telangana State for the Students Admitted from the Academic Year 2019-20 Batch onwards)

Paper	Semester	Subject	Hours/ per week	Hours/per week		Max. Marks	Credits
				Theory	*Tutorials		
DSC - I	I	Differential & Integral Calculus	6	5	1	100	5
DSC - II	II	Differential Equations	6	5	1	100	5
DSC - III	III	Real Analysis	6	5	1	100	5
DSC - IV	IV	Algebra	6	5	1	100	5
DSC - V	<u>V</u>	Linear Algebra	6	5	1	100	5
DSE - VI(A)	<u>VI</u>	(A) Numerical Analysis	6	5	1	100	5
DSE - VI(B)	VI	(B) Integral Transforms	6	5	1	100	5
DSE - VI(C)	VI	(C) Analytical Solid Geometry	6	5	1	100	5
SEC-I	III	Theory of Equations	2	2	-	50	2
SEC-II	III	Logic & Sets	2	2	-	50	2
SEC-III	IV	Number Theory	2	2	-	50	2
SEC-IV	IV	Vector Calculus	2	2	-	50	2
Generic Elective	V-A*	1. Basic Mathematics or 2. Mathematics of Finance & Insurance	4	4	-	100	4
Project/Optional	VI*	Mathematical Modelling	4	4	-	100	4

*Tutorials: Problems solving session for each 20 student's one batch.

P. V. Chune Sai

PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet



Department of English
Osmania University

Course Structure under the Reorganized CBCS
(with effect from AY 2019-20)

Subject: English (First Language)

BA/BSc/BCom and other UG Courses

Course Objectives

The 20-credit, six-semester course seeks to enhance the English language skills of undergraduate students by

- Strengthening their grammar and vocabulary
- Improving their reading and writing skills
- Enhancing their listening and speaking skills
- Imparting to them important life skills and human values
- Encouraging them to think creatively and critically
- Exposing them to a variety of content-rich texts
- Expanding their emotional intelligence
- Developing gender sensitivity among them.

Course Outcomes

On successful completion of the 20-credit, six-semester course, an undergraduate student will be able to

- Read, understand, interpret a variety of written texts
- Undertake guided and extended writing using appropriate vocabulary and correct grammar
- Listen with comprehension and speak with confidence in both formal and informal contexts with reasonable fluency and acceptable pronunciation
- Become employable with requisite professional skills, ethics and values.

Credits, Syllabus, and Instructional Hours

Semester	Number of Credits	Number of Units	Instruction (Clock hours per week)
I	4	4	4
II	4	4	4
III	3	3	3
IV	3	3	3
V	3	3	3
VI	3	3	3
Total	20	20	20

P. V. Umesankar

PRINCIPAL

Govt. Degree College for Women
GAJWEL, Dist. Siddipet

16/7/19
Chairperson
Board of Studies (UG & PG)
Department of English
Osmania University
HYDERABAD-500 007.



Department of English
Osmania University

Reorganized CBCS Curriculum with effect from AY 2019-20

Subject: English (First Language)

Question Paper Pattern

(Semesters I & II)

Time: 3 Hours

Max Marks: 80

Note: All questions in Section A and B are to be based on the lessons and exercises included in the prescribed textbook.

Section A

(4 x 5 marks = 20 marks)

6 questions to be set. Any 4 to be answered.

- Q 1-4 to be based on the following components of Units I-IV
 - Pronunciation, Grammar, Vocabulary, Spelling, Punctuation
- Q 5 to be based on the following component of Units I-IV
 - Writing
- Q 6 to be based on the following components of Units I-IV
 - Soft Skills, Value Orientation

Section B

(4 x 15 marks = 60 marks)

Qs 7-10 will have internal choice. Students can answer either A or B.

- Q 7 A & B to be based on the following component of Unit I
 - Short fiction
- Q 8 A & B to be based on the following component of Unit II
 - Prose
- Q 9 A & B to be based on the following component of Unit III
 - Poetry
- Q 10 A & B to be based on the following component of Unit IV
 - Drama

P. V. Uluse Sarin

PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet

Aw
16/7/19

Chairperson
Board of Studies (UG & PG)
Department of English
Osmania University
HYDERABAD-500 007.

BA B year

OSMANIA UNIVERSITY
Model
Scheme of Instruction and Examination
B.A. History (Regular)
Choice Based Credit System (CBCS) Syllabus - w.e.f. 2016-2017

Year	Semester	DSC/GE/DSE/SEC	Paper	Title	Credits	Hours
I	I	DSC*	Paper - I	History of India (From Earliest Times to c.700 CE)	5	5
	II	DSC*	Paper - II	History of India (c.700 -1526 CE)	5	5
II	III	SEC*	Paper - I	Historical and Cultural Tourism in India	2	2
		DSC*	Paper - III	History of India (1526-1857 CE)	5	5
	IV	SEC*	Paper - II	Archives and Museums	2	2
		DSC*	Paper - IV	History of India (1858-1964 CE)	5	5
III	V	SEC*	Paper - III	Understanding Heritage	2	2
		GE**	Paper - I	Indian National Movement (1857-1947 CE)	5+1	6
		DSC*	Paper - V	World History (1453-1815 CE)	4	4
		DSE*	Paper - I A	History of Telangana (From Earliest Times to 1724 CE)	4	4
		DSE*	Paper - I B	Islamic History and Culture (From Earliest Times to the Fall of Ummayyads)		
	DSE*	Paper - I C	History of USA (1776-1991 CE)			
	VI	SEC*	Paper - IV	Introduction to Archaeology	2	2
		GE**	Paper - II	History of Telangana Movement and State Formation (1948-2014 CE)	5+1	6
		DSC*	Paper - VI	World History (1815-1950 CE)	4	4
		DSE*	Paper - II A	History of Telangana (1724-2014 CE)	4	4
DSE*		Paper - II B	Islamic History and Culture (Rise of Abbasids to Crusades)			
DSE*	Paper - II C	Introduction to Indian Art and Architecture				

* DSC (Discipline Specific Course), SEC (Skill Enhancement Course) & DSE (Discipline Specific Elective) for Students of History.

** GE (Generic Elective) or Inter-Disciplinary Course for Students of Social Sciences other than History (5 Credits + 1 Tutorial).

10.05.2016.

Rayan
Dept of History

P. V. Chandra Prasad
Govt. Degree College for Women
GAJWEL, Dist. Siddipet

OSMANIA UNIVERSITY
FACULTY OF SCIENCE
B.Sc. (Computer Science)
CBCS Pattern with Effect from the Academic Year 2019-2020

Structure of Curriculum

Course Title	Hours/Week		Credits
	Theory	Practical	
Semester –I			
Programming in C	4	3	4+1 = 5
Semester –II			
Programming in C++	4	3	4+1 = 5
Semester –III			
Data Structures using C++	4	3	4+1 = 5
Semester –IV			
Data Base Management Systems (DBMS)	4	3	4+1 = 5
Semester –V			
Programming in Java	4	3	4+1 = 5
Semester –VI			
Web Technologies	4	3	4+1 = 5

AECC			
	Hours/Week		Credits
	Theory		
Fundamentals of Computers	2		2
SEC			
Semester –III			
Communication Skills (or) Professional Skills (Sec –I)	2		2
Python –I (Sec –II)	2		2
Semester –IV			
Leadership & Management Skill (or) Universal Human Values (Sec –III)	2		2
Python –II (Sec –IV)	2		2
SEMESTER-V Generic Elective (GE)			
Information Technologies	4		4
Project/Optional			
Semester –VI			
PHP with MY SQL	Theory 3	Practical 3	3+1=4

Prof.G.Kamala
Chairperson Board of Studies in Computer Science, OU

A. V. Uma Sain
PRINCIPAL
Govt. Degree College for Women
GAJWEL, Dist. Siddipet

**B.COM (Computer Applications)
CBCS COURSE STRUCTURE
w.e.f. 2018-'19**

Sl.No. (1)	Code (2)	Course Title (3)	HPW (5)	Credits (6)	Exam Hrs (7)	Marks (8)
SEMESTER - I						
1.	ELS1	English (First Language)	4	4		
2.	SLS1	Second Language	4	4		
3.	AECC1	a) Environmental Science/ b) Basic Computer Skills	2	2	1 ½ hrs	40U+10I
4.	DSC101	Financial Accounting-I	5	5	3 hrs	80U+20I
5.	DSC102	Business Organization and Management	5	5	3 hrs	80U+20I
6.	DSC103	Fundamentals of Information Technology	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			27	25		
SEMESTER - II						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	a) Basic Computer Skills/ b) Environmental Science	2	2	1 ½ hrs	40U+10I
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Programming with C & C++	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			27	25		
SEMESTER - III						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	SEC1	a) Principles of Insurance/ b) Foundation of Digital Marketing/ c) Fundamentals of Business Analytics	2	2	1 ½ hrs	40U+10I
16.	SEC2	a) Practice of Life Insurance/ b) Web Design & Analytics/ c) Application of Business Analytics	2	2	1 ½ hrs	40U+10I
17.	DSC301	Advanced Accounting	5	5	3 hrs	80U+20I
18.	DSC302	Business Statistics-I	5	5	3 hrs	80U+20I
19.	DSC303	Relational Database Management System	3T+4P	5	1 ½ hrs	50T+35P + 15I
Total			27	25		
SEMESTER - IV						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3	a) Practice of General Insurance/ b) Social Media Marketing c) Business Intelligence	2	2	1 ½ hrs	40U+10I
23.	SEC4	a) Regulation of Insurance Business/ b) Search Engine Optimization & Online Advertising c) Data Visualisation & Storytelling	2	2	1 ½ hrs	40U+10I

F27, 12/08/19


P. V. Usha Saini
PRINCIPAL
 Govt. Degree College for Women
 GAJWEL, Dist. Siddipet

24.	DSC401	Income Tax/Excel Foundation	5	5	3 hrs	80U+20I
25.	DSC402	Business Statistics-II	5	5	3 hrs	80U+20I
26.	DSC403	Web Technologies	3T+4P	5	1 ½ hrs	50T+35P+15I
		Total	27	25		
SEMESTER - V						
27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	a) Business Economics / b) Advanced Aspects of Income Tax	4	4	3 hrs	80U+20I
30.	DSE501	a) Cost Accounting/ b) Financial Planning & Performance/ c) International Financial Reporting-I	5	5	3 hrs	80U+20I
31.	DSE502	a) Computerized Accounting/ b) Financial Decision Making-I/ c) International Tax & Regulation	3T+4P/ 5	5	3 hrs	50T+35P + 15I/ 80U+20I
32.	DSE503	a) Management Information Systems/ b) Ecommerce/c) Mobile Applications	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	29/27	25		
SEMESTER - VI						
33.	ELS6	English (First Language)	3	3		
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15VV
36.	DSE601	a) Cost Control and Management Accounting/ b) Financial control/ c) International Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	a) Theory and Practice of GST/ b) Financial Decision Making-II / c) International Auditing	3T+4P/ 5	5	3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	a) Multimedia Systems/ b) Cyber Security/c) Data Analytics	3T+4P	5	1 ½ hrs	50T+35P + 15I
		Total	31/29	25		
		GRAND TOTAL	168/164	150		

ELS: English Language Skill; SLS: Second Language Skill; AEC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; I: Internal Exam U: University Exam; PR: Project Report; VV: Viva-Voce Examination.

Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.

SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	English Language	6	4/3	20
2	Second Language	6	4/3	20
3	AECC	2	2	4
4	SEC	4	2	8
5	GE	1	4	4
6	Project Report	1	4	4
7	DSC	12	5	60
8	DSE	6	5	30
	TOTAL	40		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		NSS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

OSMANIA UNIVERSITY:HYDERABAD
C.B.C.S Pattern of B.A, B.Sc &B.Com
Syllabus and Examination Method

TELUGU (SECOND LANGUAGE)

1st Semester

ప్రాచీన పద్యభాగం.

ఆధునిక కవిత్వం

1.శకుంతలోపాఖ్యానము

1.కాసులు

2.గోడగూచి

2.రాజు - కవి

3.త్యాగనిరతి

3.గంగిరెడ్డు.

4.జయభేరి

1. ఉపవాచకం

భాషా విభాగం

రుద్రమదేవి (నవల)

భాషా భాగాలు, సాధుశబ్దాల గుర్తింపు

పర్యాయపదాలు, నానార్థాలు.

పాఠ్యగ్రంథం: తెలుగుఅకాడమీ ప్రచురించిన సాహితీమంజీర. దీనిలోని రెండు పాఠాలు- (సంవరణుని తపస్సు, శ్రీరంగక్షేత్ర మహిమ) ఉస్మానియావిశ్వవిద్యాలయ పరిధిలోని డిగ్రీ ద్వితీయభాష(తెలుగు), విద్యార్థులకు తొలగించి, వాటిని మూడర్పే లాంగ్వేజ్ (తెలుగు)విద్యార్థులకు నిర్దేశించనైంది.

పరీక్షా పద్ధతి

ఎ. ఇంటర్నల్ ఎసెస్ మెంట్

20 మార్కులు

బి. సెమిస్టర్ పరీక్ష

80మార్కులు

1.పద్యం, ప్రతిపదార్థ తాత్పర్యాలు - సమగ్ర వ్యాఖ్య

12

2.సందర్భ సహిత వ్యాఖ్యలు (ప్రాచీనపద్యభాగం నుండి 2, ఆధునికకవిత్వభాగం

12 (4X3)

నుండి 2 రాయాలి ప్రతిభాగం నుండి 4 ఇస్తారు.)

3.వ్యాసరూప ప్రశ్న (ప్రాచీన పద్యభాగం- ఇంటర్నల్ చాయిస్.)

12

4. వ్యాసరూప ప్రశ్న (ఆధునిక కవిత్వం- ఇంటర్నల్ చాయిస్)

12

5.వ్యాసరూప ప్రశ్నలు (ఉపవాచకంనుండి 4 ప్రశ్నలీప్టి 2రాయాలి)

20 (10+10)

6.భాషా విభాగం (భాషా భాగాల గుర్తింపు, సాధు శబ్దాల గుర్తింపునకు

సంబంధించి పర్యాయపదాలు, నానార్థాలకు సంబంధించి ప్రశ్నలీస్తారు)

12(6+6)

.....

P. V. Uluru Sani

PRINCIPAL

Govt. Degree College for Women
GAJWEL, Dist.Siddipet

OSMANIA UNIVERSITY: HYDERABAD
 C.B.C.S Pattern of B.A, B.Sc & B.Com
 Syllabus and Examination Method
 TELUGU (SECOND LANGUAGE)
 2nd Semester

ప్రాచీన పద్యభాగం.

1. గజేంద్ర మోక్షము
2. హనుమత్సందేశము
3. సుభాషితములు

ఆధునిక కవిత్యం

1. అంతర్నాదము
2. ప్రపంచ పదులు
3. రోడ్డురోల్
4. అల్విదా

వచన విభాగం

1. యుగాంతం
2. ఎంకన్న
3. మామిడి పండు
4. మా ఊరు పోయింది.
5. ఇదీ ఒక కళ - పేరులు దారులు గుర్తుంచుకోవడం.

భాషా విభాగం

సంధులు, సమాసాలు

పరీక్షా పద్ధతి

ఎ. ఇంటర్నల్ ఎసెస్ మెంట్	20 మార్కులు
బి. సెమిస్టర్ పరీక్ష	80 మార్కులు
1. పద్యం, ప్రతిపదార్థ తాత్పర్యాలు - సమగ్ర వ్యాఖ్య	12
2. సందర్భ సహిత వ్యాఖ్యలు (ప్రాచీనపద్యభాగం నుండి 2, ఆధునికకవిత్యభాగం నుండి 2 రాయాలి. ప్రతిభాగం నుండి 4 ఇస్తారు.)	12 (4X3)
3. వ్యాసరూప ప్రశ్న (ప్రాచీన పద్యభాగం- ఇంటర్నల్ చాయిస్.)	12
4. వ్యాసరూప ప్రశ్న (ఆధునిక కవిత్యం- ఇంటర్నల్ చాయిస్)	12
5. వ్యాసరూప ప్రశ్నలు (వచనవిభాగం నుండి 4 ప్రశ్నలీస్ట్ 2 రాయాలి)	20 (2x10)
6. భాషా విభాగం (సంధులగుర్తింపు, సూత్రవివరణకు సంబంధించి 3 సమాసాలగుర్తింపు విగ్రహవాక్యాలకు సంబంధించి 3 ప్రశ్నలీస్తారు)	12 (6+6)

.....

Osmania University, Hyderabad.
CBCS Pattern of B.A., B.Sc., B.Com., & B.B.A.,
Syllabus
Telugu (Second Language) - Paper - 3
3rd Semester

ప్రాచీన పద్యభాగం

- | | | |
|--------------------------|-----|------------------|
| 1. ధర్మజుని వాక్చాతుర్యం | ... | తిక్కన |
| 2. విభీషణ శరణాగతి | ... | గోన బుద్ధారెడ్డి |
| 3. గుణనిధి కథ | ... | శ్రీనాథుడు |

ఆధునిక పద్యభాగం

- | | | |
|--------------------------|-----|---------------------------|
| 1. రైతు ప్రశస్తి | ... | వానమామలై జగన్నాథాచార్యులు |
| 2. గురుదక్షిణ | ... | అంబటి లక్ష్మీనరసింహరాజు |
| 3. గుడిసెలు కాలిపోతున్నై | ... | డా॥ బోయి భీమన్న |

వచన విభాగం (నాటకం)

చలిచీమలు (సాంఘిక నాటకం) ... పి.వి. రమణ

అలంకారాలు

శబ్దాలంకారాలు : వృత్త్యనుప్రాస, ఛేకానుప్రాస, లాటానుప్రాస, అంత్యానుప్రాస, యమకం, ముక్తపదగ్రస్తాలంకారాలు.

అర్థాలంకారాలు : ఉపమ, ఉత్పేక్ష, రూపక, స్వభావోక్తి, ఉల్లేఖ, అర్థాంతరన్యాస, శ్లేష, దృష్టాంతాలంకారాలు.

పరీక్షా పద్ధతి

- | | |
|------------------------|-------------|
| ఎ. ఇంటర్నల్ ఎసెస్మెంట్ | 20 మార్కులు |
| బి. సెమిస్టర్ పరీక్ష | 80 మార్కులు |



Osmania University, Hyderabad.
CBCS Pattern of B.A., B.Sc., B.Com., & B.B.A.,
Syllabus .
Telugu (Second Language) - Paper - 4
4th Semester

ప్రాచీన పద్యభాగం

- | | | |
|----------------------|-----|--------------------------------------|
| 1. నారద గానమాత్పర్యం | ... | పింగళి సూరన |
| 2. వాగ్దాన భంగం | ... | ఆసూరి మరింగంటి వేంకట నరసింహాచార్యులు |
| 3. నారసింహ శతకం | ... | ధర్మపురి శేషప్ప |

ఆధునిక పద్యభాగం

- | | | |
|-------------------------|-----|--------------------------|
| 1. నరుడ నేను, నరుడ నేను | ... | కాళోజీ |
| 2. ఆర్తగీతం | ... | దేవరకొండ బాలగంగాధర తిలక్ |
| 3. దేవరకొండ దుర్గం | ... | డా॥ ముకురాల రామారెడ్డి |

వచన విభాగం

- | | | |
|-----------------------------|-----|-------------------------|
| 1. అర్ధరాత్రి అరుణోదయం | ... | దాశరథి రంగాచార్య |
| 2. సి.పి.బ్రౌన్ సాహిత్య సేవ | ... | జానమద్ది హనుమచ్ఛాస్త్రి |
| 3. మన గ్రామ నామాలు | ... | డా॥ కపిలవాయి లింగమూర్తి |
| 4. నివురు తొలగిన నిప్పు | ... | పోల్కంపల్లి శాంతాదేవి |
| 5. కొండమల్లెలు | ... | ఇల్లిందల సరస్వతీదేవి |

ఛందస్సు

పాఠ్యగ్రంథము లోనివి

సామాజిక వ్యాసం

పరీక్షా పద్ధతి

- | | |
|------------------------|-------------|
| ఎ. ఇంటర్నల్ ఎసెస్మెంట్ | 20 మార్కులు |
| బి. సెమిస్టర్ పరీక్ష | 80 మార్కులు |



విషయసూచిక

సెమిస్టర్ - V

I. కవితా ప్రక్రియలు	1 - 54
1. పద్యం	1
2. పాట	9
3. వచన కవిత	17
4. లఘు కవితారూపాలు	25
5. ఉర్దూ కవితారూపాలు	45
II. తెలుగు వ్యాసం	55 - 76
6. వ్యాసం	55
7. వ్యాసపరిణామం	59
8. వ్యాసరచనా పద్ధతులు	63
9. వ్యాసంలో వస్తువైవిధ్యం	67
10. వ్యాసరచనలో భాషాప్రయోగాలు	71
III. వచన సాహిత్యం	77 - 112
11. అధ్యయన సంస్కృతి	77
12. సాహిత్య అధ్యయనం ప్రయోజనాలు	85
13. ముందుమాట	93
14. పుస్తక సమీక్ష	97
15. జానపదం	103

సెమిస్టర్ - VI

I. సాహిత్య ప్రక్రియల పరిచయం

113 - 156

1. నాటకం 113
2. నవల 121
3. కథానిక 131
4. జీవిత చరిత్ర 143
5. ఉపన్యాసకళ 149

II. జర్నలిజంలో మౌలికాంశాలు

157 - 190

6. వార్త 157
7. వార్త నిర్మాణం 165
8. వార్తాకథనాలు 171
9. ఇంటర్వ్యూ 177
10. అనువాదం 185

III. ప్రాజెక్టు పరిచయం

191 - 210

11. ప్రాజెక్టు 191
12. అధ్యయనం 196
13. పరికల్పన 202
14. నివేదిక 204

I Semester General English

Subject: English (First Language)

BA/BSc/BCom and other UG courses

With effect from: AY 2021-22

Prescribed textbook for Semesters I and II: *The English Tree*, edited by C. Maralokrishna and Y.L. Srinivas, published by Orient Blackswan, 2021.

SEMESTER I

Unit 1

POEM: 'In the Bazaars of Hyderabad' by Sirojini Naidu · PROSE: 'The Eyes are Not Here' by Ruskin Bond · VOCABULARY: Word Roots · GRAMMAR: Nouns · SPEAKING: Getting Someone's Attention and Interrupting · POST-READING: Creativity

Unit 2

POEM: 'If-' by Rudyard Kipling · PROSE: 'On Saying Please' by A.G. Gardiner · VOCABULARY: Prefixes and Suffixes · GRAMMAR: Pronouns · SPEAKING: Giving Instructions and Seeking Clarifications · POST-READING: Interpersonal Skills

Unit 3

POEM: 'Ulysses' by Alfred Tennyson · PROSE: 'Seeing People Off' by Max Beerholn · VOCABULARY: Homonyms, Homographs, Homophones · GRAMMAR: Adjectives · SPEAKING: Asking for and Giving Opinions · POST-READING: Motivation

Unit 4

POEM: 'On His Having Arrived at the Age of Twenty-three' by John Milton · PROSE: 'Shyness My Shield' by M.K. Gandhi · VOCABULARY: Collocation · GRAMMAR: Articles · SPEAKING: Agreeing and Disagreeing with Opinions · POST-READING: Self-analysis

II Semester - General English

SEMESTER II

Unit 5

POEM: 'The Felling of the Banyan Tree' by Dilip Chitre · PROSE: 'The Bet' by Anton Chekhov · VOCABULARY: Oxymoron and Hyperbole · GRAMMAR: Main Verbs and Tenses · WRITING: Paragraph Writing Essentials · POST-READING: Decision-making

Unit 6

POEM: 'A Walk by Moonlight' by Henry Derozio · PROSE: 'How the Coronavirus Sparked a Wave of Innovation in India' by Sreevas Sahasranamam · VOCABULARY: Loan Words · GRAMMAR: Auxiliary Verbs · WRITING: Sequencing · POST-READING: Holistic Health

Unit 7

POEM: 'A Different History' by Sujata Bhatt · PROSE: 'Nobel Lecture, 7 December 1993' (extract) by Toni Morrison · VOCABULARY: Portmanteau Words · GRAMMAR: Non-finite Verbs · WRITING: Descriptive Writing · POST-READING: Conflict Resolution

Unit 8

POEM: Lady Macbeth's Speech from *Macbeth* Act I, Scene 5 by William Shakespeare · PROSE: 'How I Became a Public Speaker' (abridged) by G.B. Shaw · VOCABULARY: Simile and Metaphor · GRAMMAR: Adverbs · WRITING: Argumentative Writing · POST-READING: Ethical Behaviour



Department of English
Osmania University

CBCS General English Syllabus

Semesters V & VI
(With effect from AY 2021-22)

Prescribed textbook for Semesters V & VI: *English in Action: A Textbook for College Students*, Eds. T. Vijay Kumar, K. Durga Bhavani, Y.L. Srinivas, Macmillan, 2021.

Semester V		3 hrs of instruction per week
3 Credits		
Unit I	Poem Prose Vocabulary Grammar	AK Ramarajan "Ecology" Henry Hitchings "What's the Language of the Future?" (Excerpt) Indianisms Framing Questions (including tag questions)
Unit II	Gender Sensitization A Note to the Teachers Prose Poem Prose Vocabulary Grammar	Jamaica Kincaid "Girl" Emma Watson "Gender equality is your issue too" Analogy and Odd Word Out Verbs
Unit III	Writing Reviews Vocabulary Grammar	Film Review, Book Review Technical vocabulary (Film, Literature) Conditionals
3 Credits		
Semester VI		3 hrs of instruction per week
Unit IV	Poem Prose Vocabulary Grammar	Rosald Dahl "Television" JK Rowling "The Fringe Benefits of Failure, and the Importance of Imagination" (Excerpt) One-word Substitutes Relative Clauses
Unit V	Gender Sensitization Poem Prose	Elizabeth Ralph Mertz "Accomplishments" Chinamanda Ngozi Adichie "Third Suggestion"



Department of English
Osmania University

CBCS General English Syllabus

Semesters III & IV
(2020-21)

Prescribed textbook for Semesters III & IV: *English in Use: A Textbook for College Students*, Eds. T. Vijay Kumar, K. Durga Bhavani, Y.L. Srinivas, Second Edition, Macmillan, 2020.

Semester III		3 hrs of instruction per week
3 Credits		
Unit I	Poem Prose Vocabulary Grammar	Charlotte Bronte "Life" Rabindranath Tagore "A Wrong Man in Workers' Paradise" Synonyms, Antonyms Prepositions (including Prepositional Phrases)
Unit II	Poem Prose Vocabulary Grammar	Kamala Das "Punishment in Kindergarten" R.K. Narayan "Toasted English" (Common Words) Voice
Unit III	Essay Writing Vocabulary Grammar	Discursive Essay, Argumentative Essay Idioms Connectives
3 Credits		
Semester IV		3 hrs of instruction per week
Unit IV	Poem Prose Vocabulary Grammar	Langston Hughes "As I Grew Older" BR Ambedkar "Grammar of Anarchy" (Excerpt) Phrasal Verbs Concord
Unit V	Poem Prose Vocabulary Grammar	Tennyson "Flower" Ruskin Bond "The Kitemaker" Commonly Confused Words Determiners
Unit VI	Report Writing Vocabulary Grammar	Business Reports, Media Reports Technical Vocabulary (Business, Media) Reported Speech (including Reporting Verbs)

Vocabulary Grammar	Formal and Informal Vocabulary Sentence Types
Unit VI CV Writing Vocabulary Grammar	Chronological CV, Functional CV Appropriacy Common Errors

SYLLABUS FOR

B.A., B.Com., B.Sc., First Semester Hindi

Second Language

Osmania University W.e.f. 2016 - 2017

First Unit - GADYA DARPAN

- | | |
|-----------------------|--------------------|
| 1. Utsaah | Ram Chandra Shukla |
| 2. Charitra Sangathan | Babu Gulaab Raal |
| 3. Baazaar darshan | Jainendra Kumar |

Second Unit - GADYA DARPAN

- | | |
|----------------------------------|-------------------------|
| 1. Bhaabhi | Mahadevi Varma |
| 2. Bharat mein Saanskriti Sangam | Ramdhari Singh 'Dinkar' |
| 3. Raashtra kaa Swaroop | Vasudev Sharan Agrawal |

Third Unit - KATHAASINDHU

- | | |
|----------------------|--------------------|
| 1. Sadgati | Premchand |
| 2. Chhotaa Jaadoogar | Jai Shankar Prasad |
| 3. Sach Kaa Saudaa | Sudarshan |

Fourth Unit - KATHAASINDHU

- | | |
|--------------------|----------------------|
| 1. Praayashchitt | Bagwati Charan Varma |
| 2. Pardaa | Yashpaal |
| 3. Chief Ki Daawat | Bheeshma Saahani |

Fifth Unit - GRAMMAR

- Rewriting of sentences as directed based on Gender, Number Tense, Case & Voice.
- Correction of Sentences.
- Usages of words into Sentences.
- Official Hindi, Administrative Terminology (Prashaasnik Shabdaavali) Official Designations (Padnaam)
 - Translation of Hindi words into English.
 - Translation of English words into Hindi.

< Reference books recommended by the committee >

- ☆ Saral Hindi Vyaakaran: Dakshin Bharat Hindi Prachaar Sabhaa.
- ☆ Hindi Vyaakaran : Shyam Chandra Kapoor.
- ☆ Prathamik Vyaakaran evam Rachanaa : Harish Chandra.

SYLLABUS FOR

B.A., B.Com., B.Sc., Second Semester Hindi

Second Language

Osmania University W.e.f. 2016 - 2017

First Unit - GADYA DARPAN

- | | |
|----------------------|----------------------------------|
| 1. Dharati kaa swarg | Vishnu Prabhakar |
| 2. Taayee | Vishwambharnath Sharma 'Kaushik' |
| 3. Ande ke chhilake | Mohan Rakesh |

Second Unit - GADYA DARPAN

- | | |
|----------------------------|-------------------------|
| 1. Rajneeti kaa bantwaaraa | Harishankar Parsaai |
| 2. Swami Vivekaanand | Vamshidhar Vidyaalankar |
| 3. Paryavaaran aur hum | Rajeev Garg |

Third Unit - KATHAA SINDHU

- | | |
|---------------------|--------------------------|
| 1. Dipty Collectori | Amkant |
| 2. Gadai | Raangeya Raaghav |
| 3. Hansoo Yaa Roun | Vinayak Rao Vidyaalankar |

Fourth Unit - KATHAA SINDHU

- | | |
|------------|--------------------|
| 1. Waapasi | Usha Priyamwadaa |
| 2. Sevaa | Mamataa Kaaliyaa |
| 3. Siliyaa | Susheelaa Takbhore |

Fifth Unit - GRAMMAR

- Sandhi Vichhed
- Antonyms (Vilom Shabd)
- Letter Writing : Personal Letters, Official Letters, Letter of Complaints, Application for Appointment.

< Reference books recommended by the committee >

- ☆ Saral Hindi Vyaakaran: Dakshin Bharat Hindi Prachaar Sabhaa.
- ☆ Hindi Vyaakaran : Shyam Chandra Kapoor.
- ☆ Prathamik Vyaakaran evam Rachanaa : Harish Chandra.

SYLLABUS FOR

B.A. - I YEAR

I SEMESTER HINDI / PAPER - I

MODERN LANGUAGE

OSMANIA UNIVERSITY W.E.F. 2016 - 17

(Kahaaniyaa, Rekha Chitra Aur Natak)

UNIT - I - GADYA PHULWARI

(KAHAANIYAA)

- | | |
|-------------------|---------------------|
| 1. Aasuon Ki Holi | : Premchand |
| 2. Mamata | : Jaishankar Prasad |

UNIT - II - GADYA PHULWARI

(KAHAANIYAA)

- | | |
|-------------|----------------|
| 1. Aatithya | : Yashpal |
| 2. Mavaali | : Mohan Rakesh |

UNIT - III - GADYA PHULWARI

(KAHAANIYAA)

- | | |
|--------------------|--------------------|
| 1. Chief Ki Daawat | : Bheeshma Saahani |
| 2. Akeli | : Mannu Bhandari |

UNIT - IV - GADYA PHULWARI

(REKHA CHITRA)

- | | |
|-----------|------------------|
| 1. Bhabhi | : Mahadevi Varma |
|-----------|------------------|

UNIT - V

(Natak)

- | | |
|-----------------------|----------------|
| 1. Aashaadh Ka Ek Din | : Mohan Rakesh |
|-----------------------|----------------|

(Prescribed book - Gadya Phulwari - Edited by Dr. Ramesh Kumar Jain, Rajpal & Sons, Delhi - 6)

SYLLABUS FOR

B.A. - I YEAR

II SEMESTER HINDI / PAPER - II

MODERN LANGUAGE

OSMANIA UNIVERSITY W.E.F. 2016 - 17

(Vyangya, Sansmaran, Ekanki, Nibandh, Yatra -Varnan Aur Upanyas)

UNIT - I - GADYA PHULWARI

(Vyangya)

- | | |
|---------------------------------|-----------------------|
| 1. Sadachar Ka Taweez | : Harishankar Parsaai |
| 2. Ek Bade Aspatal Ke bare Mein | : Ravindra Tyagi |

UNIT - II - GADYA PHULWARI

(Sansmaran) - Paribhasha Evam Tattva

- | | |
|-------------------|------------------|
| 1. Mahatma Gandhi | : Ramkumar Varma |
|-------------------|------------------|

UNIT - III - GADYA PHULWARI

Ekanki - Paribhasha Evam Tattva

- | | |
|----------------------|----------------------|
| 1. Aawaaz Ka Neelaam | : Dharmaveer Bharati |
|----------------------|----------------------|

UNIT - IV - GADYA PHULWARI

Nibandh - Paribhasha Evam Prakar

- | | |
|-------------------|-----------------------|
| 1. Mai dhoobi hun | : Shivapoojan Sahaaya |
|-------------------|-----------------------|

Yatra Varnan - Paribhasha Aur Prakar

- | | |
|-----------------------|--------------------|
| 1. Jamantori Ki Yatra | : Vishnu Prabhakar |
|-----------------------|--------------------|

UNIT - V

Upanyas - Paribhasha, Tattva Evam Prakar

- | | |
|-------------------------|------------------|
| 1. Aashriton Ka Vidroha | : Narendra Kohli |
|-------------------------|------------------|

Department of Arabic
Osmania University

Sallybus for Under Graduate Courses B.A., B.Sc., B.Com. & B.B.A
Second Language ARABIC
W.e.f. 2019 – 2020
Under CBCS for the year 2020 – 2021
Title of Paper : Classical Prose, Modern Prose, Grammar & History of Arabic Literature

Contents
Semester – I

- Unit – I :** Classical Prose :
- 1: سورة الشرح :
 - 2: سورة البقي :
- Unit – II :** Modern Prose :
- 1: الحوار :
 - 2: الرظافة :
- Unit – III :** Grammar :
- 1: الكفة وأزمامها :
 - 2: الإسم وأقسامه :
- Unit – IV :** History of Arabic Literature :
- 1: مبررات اللغة العربية :
 - 2: الأدب والادعاء في العصر الجاهلي :
 - 3: المعانيات السب :

1 | Page

Department of Arabic
Osmania University

Sallybus for Under Graduate Courses B.A., B.Sc., B.Com. & B.B.A
Second Language ARABIC
W.e.f. 2019 – 2020
Under CBCS for the year 2019 – 2020
Title of Paper : Classical Prose, Modern Prose, Grammar & History of Arabic Literature

Contents
Semester – II

- Unit – I :** Classical Prose :
- 1: سورة القدر :
 - 2: سورة الزلزال :
- Unit – II :** Modern Prose :
- 1: المعرض الصناعاتي :
 - 2: الرظام السابع : مبر عتمان عابو خان :
- Unit – III :** Grammar :
- 1: المركب النذبي :
 - 2: المركب الباقص :
- Unit – IV :** History of Arabic Literature :
- 1: أثار القرآن الكريم على الأدب العربي :
 - 2: نون القرآن المجيد :
 - 3: تأثير الحديث الشريف على الأدب العربي :

2 | Page

Department of Arabic
Osmania University

Sallybus for Under Graduate Courses B.A., B.Sc., B.Com. & B.B.A
Second Language ARABIC

W.e.f. 2019 – 2020
Under CBCS for the year 2021 – 2022
Title of Paper : Modern Prose, Poetry & History of Arabic Literature

Contents
Semester – V

- Unit – I :** Modern Prose :
- 1: بطل الحرية :
 - 2: المساواة النسائية :
- Unit – II :** Poetry :
- 1: العليم :
 - 2: لشبابي :
- Unit – III :** History of Arabic Literature :
- 1: تطور البشر في العصر العباسي :
 - 2: أبرز الله أب في العصر العباسي :
- (A) الحظ
(B) ابن المفق
(C) يدع الزمان الهمداني (C)
(D) الحريري (D)

Department of Arabic
Osmania University

Sallybus for Under Graduate Courses B.A., B.Sc., B.Com. & B.B.A
Second Language ARABIC

W.e.f. 2019 – 2020

Under CBCS for the year 2021 – 2022

Title of Paper : Modern Prose, Poetry & History of Arabic Literature

Contents
Semester – VI

Unit – I : Modern Prose :

1 : آثار هان غانه :

2 : سروجني باليدو :

Unit – II : Poetry :

1 : حهادي :

2 : الزحم :

Unit – III : History of Arabic Literature :

1 : الأدب الإسلامي في العصر العباسي :

2 : أبرز المحدثين في العصر العباسي :

(A) الإمام مالك

(B) الإمام بخاري

(C) الإمام مسلم

* * * * *



Department of Sanskrit
Osmania University
Hyderabad -07

Syllabus
Degree 1st Year second Language Sanskrit
1st Semester
(All the universities in Telangana)

1st UNIT

1. मुदाभिषेक्ते वरद वमह सिस् Mudabhishektum varada
tvamarhasi

८. हीमं मा मीकरामायणे अयो याका डे द्वीपः सगः

२. हमातयो नाम नगाधिराजः Himalayo nam nagadhirajah
कुमारस भवे धमसगः

2nd UNIT

३. धम ब ओ दीवारकः Dharmabaddho dauvarikah
शिवराजवजये धम वरामे तीपिनः ासः

४. कृत ने ना त िन कृतिः Kritaghe nasty nishkrutihi
प चत े त ध णाशे वानरमकरकथा

3rd UNIT

५. अव तु भारत जाः वत भारत भामAvantu bharataprajah
svatantrabharataprabham
(भारतभारती)

६. एष धम ः सनातनः Esha dharmah sanatanah
२०सुभा षतातित्र

4th UNIT

७. श दाः Shabdah
तिनधा रतश ,दाः

८. सं कृतस भाषणा यासः Sanskritasambhashanabhyasah
तिनधा रतसंवाद्वाः

5th UNIT

९. स धयः Sandhayah
तिनधा रतस धयः

१०.सं कृतस भाषणा यासःSanskritasambhashanabhyasah
तृिनधा रतसंवाद्ऱाः



Department of Sanskrit
Osmania University
Hyderabad -07

Syllabus
Degree 1st Year second Language Sanskrit
2nd Semester
(All the universities in Telangana)

1st UNIT

१. स ु थ य मह् - षम ु धो मह मः Saktuprasthasya mahattvam
(महाभारते अ मेधपव ण ९०तमा)यायः
२. ब्रू य वैरा योदयः Buddhasya vairagyodayah
(बु च रते ततीयस,ग ः)

2nd UNIT

३. वै ािनक(ब सं हता Vaijyanika (brihat) Sanhita
हत)
४. न ग गद ः पुनरेित कूपम Na gangadattah punareti
kupam

त्य चत े त ध णाशकभाजकथऱा)

3rd UNIT

५. मधुरोपदेशः Madhuropadeshah
(मधुरा वजये ततीयसग) ः
६. देवासुरस प भागयोगः Daivasurasampadvibhagayogah
(ीम गव) ता

4th UNIT

७. धातवः Dhatavah
(तृिनधा रतधात,वः)
८. सं कृतस भाषणा यासः Sanskritasambhashanabhyasah
(तृिनधा रतसंवाद्ऱाः)

5th UNIT

९. समासाः Samasah

तृिनधा रतसमासऱाः

१०.सं कृतस भाषणा यासः Sanskritasambhashanabhyasah
(तृिनधा रतसंवाद्ऱाः)

SEMESTER – III						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
MB 301	Food Microbial Technology (Core)	4	4	20	80	100
MB 302	Medical Bacteriology (Core)	4	4	20	80	100
MB 303	DSE A. Industrial Microbiology (or) B. Microbial Proteomics	4	4	20	80	100
MB 304	DSE A. Microbial Ecology & Plant Microbe Interactions (or) B. Advances in Biotechnology	4	4	20	80	100
PRACTICALS						
MB 351	Food Microbial Technology	2	4	--	50	50
MB 352	Medical Bacteriology	2	4	--	50	50
MB 353	C. Industrial Microbiology (or) Microbial Proteomics	2	4	--	50	50
MB 354	Microbial Ecology & Plant Microbe Interactions (or) Advances in Biotechnology	2	4	--	50	50
Total		24	32	80	520	600

3

CBCS resturctured syllabus.MB NEW 2016

SEMESTER – IV						
Syllabus Ref No	Subject	Credits	Teaching Hours	Marks		
				Internal Assessment	Semester Exam	Total
THEORY						
MB 401	Cell & Molecular Biotechnology (Core)	4	4	20	80	100
MB 402	Medical Virology & Parasitology (Core)	4	4	20	80	100
MB 403	GE (IDSE) A. Microbial Biotechnology (or) Bioinformatics and Nanotechnology	4	4	20	80	100
MB 404	DSE A. Applied Microbiology (or) B. Project work	4	4	20	80	100
PRACTICALS						
MB 451	Cell & Molecular Biotechnology	2	4	--	50	50
MB 452	Medical Virology & Parasitology	2	4	--	50	50
MB 453	Microbial Biotechnology (or) Bioinformatics and Nanotechnology	2	4	--	50	50
MB 405	Applied Microbiology (or) Project	2	4	--	50	50
Total		24	32	80	520	600
GRAND TOTAL		96	128	320	2080	2400