



VAAGDEVI

DEGREE & P.G. COLLEGE

CO-EDUCATION
AFFILIATED TO KAKATIYA UNIVERSITY, WARANGAL

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented

Number of Programmes in Which CBCS/Elective course system implemented

S.No	Academic Year	Number of Programmes offered by the College	Number of Programmes with CBCS/Elective System	Percentage of Programmes with CBCS/Elective System
1	2020-21	45	45	100
2	2019-20	31	31	100
3	2018-19	31	31	100
4	2017-18	33	33	100
5	2016-17	34	34	100



G.M.
Coordinator
IQA



A. S. S. S. S.
Principal
VAAGDEVI DEGREE & P.G. COLLEGE
Kishanpura, Hanamkonda

**Proceedings of the Registrar, Kakatiya University, Warangal
regarding the implementation of CBCS in all the UG Colleges
from the academic year 2016-17**

PROF. KHAJA ALTHAF HUSSAIN
REGISTRAR



OFFICE OF THE REGISTRAR
KAKATIYA UNIVERSITY
WARANGAL - 506 009

No. 199 /B1/KU/2016

Date: 2-02-2016

To:

The Principals of University & Affiliated Colleges
Offering U.G. (Professional & Non-Professional) courses
KAKATIYA UNIVERSITY

Sub:- Implementation of Choice Based Credit System in U.G. (Professional &
Non-Professional) courses from the academic year 2016-2017 -
Regarding.

Sir/Madam,

The Higher Education Department, Government of Telangana on the directions of M.H.R.D. deliberated at various levels and took a decision making the implementation of Choice Based Credit System mandatory at UG level for all Colleges.

In view of this, it is to inform you in advance that the implementation of CBCS is mandatory in all U.G. courses (Professional & Non-Professional) in all Colleges under the jurisdiction of Kakatiya University from the academic year 2016-2017.

Therefore, it is to bring it to the notice of the Managements and Principals to bring awareness among all the stake holders by downloading the relevant material from UGC website and also Kakatiya University website.

In this connection, a meeting of Principals of all the Under-Graduate (Non-Professional) colleges is convened on 14th March, 2016 at 10.30 a.m. in the Senate Hall of Administrative Building on the University campus to discuss (i) Implementation of Choice Based Credit System (ii) Uploading of D.C.F-II form of All India Survey on Higher Education (AISHE) portal.

The out-station members shall paid TA & DA as per norms from the provision of "20% Registration Fee" kept at the disposal of the respective colleges for academic activities.

Kindly make it convenient to attend the meeting without fail.

Yours faithfully,


REGISTRAR

CURRICULUM FOR BIOTECHNOLOGY
IN UNDER GRADUATE DEGREE PROGRAMME
CBCS SYLLABUS SCHEDULE 2016 – 2017

I	Semester	Course category	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
						I.A	End Exam	Total	
FIRST YEAR									
BS104	I	DSC-1A (Theory)	Cell Biology & Genetics	4	4	20	80	100	125
		DSC-1A (Practical)		1	2	-	25	25	
BS204	II	DSC-1B (Theory)	Nucleic Acids- Biostatistics - Bioinformatics	4	4	20	80	100	125
		DSC-1B (Practical)		1	2	-	25	25	
SECOND YEAR									
BS304	III	DSC-1C (Theory)	Biological Chemistry	4	4	20	80	100	125
		DSC-1C (Practical)		1	2	-	25	25	
		SEC - I	Computer Basics and Automation	2	2	-	50	50	50
BS404	IV	DSC-1D (Theory)	Microbiology and Immunology	4	4	20	80	100	125
		DSC-1D (Practical)		1	2	-	25	25	
		SEC - II	Multimedia and Applications	2	2	-	50	50	50
THIRD YEAR									
BS502		GE-1 (Theory)	Public Health and Hygiene (Interdisciplinary)	4	4	-	100	100	150
		GE-1		-	-	50	-	50	
BS503	V	DSC-1E (Theory)	Molecular Biology & rDNA Technology	3	3	15	60	75	100
		DSC-1E (Practical)		1	2	-	25	25	
BS506		DSC-1F (Theory)	Subject Electives: A- Plant Biotechnology or B- Medical Biotechnology	3	3	15	60	75	100
		DSC-1F (Practical)		1	2	-	25	25	
		SEC - III	Verbal Reasoning For Aptitude Test	2	2	-	50	50	50
BS602		GE-2 (Theory)	Water Resources Management (Interdisciplinary)	4	4	-	100	100	150
		GE-2		-	-	50	-	50	
BS603	VI	DSC-1G (Theory)	Microbial Biotechnology	3	3	15	60	75	100
		DSC-1G (Practical)		1	1	-	25	25	
BS606		DSC-1H (Theory)	Subject Electives: A-Animal Biotechnology or B- Environmental Biotechnology	3	3	15	60	75	100
		DSC-1H (Practical)		1	1	-	25	25	
BS601		SEC- IV	Quantitative Aptitude Test	2	2	-	50	50	50
Summary of Credits				56		-	-	-	1400



Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

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



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Kishanpura, Hanumanakonda

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-2C	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.


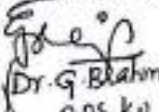
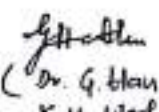
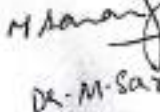


A. Sushadha
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Telangana State Council of Higher Education, Govt. of Telangana B.Sc., CBCS Common
Core Syllabi for all Universities in Telangana
PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN
B.Sc., Chemistry from 2019-2020

FIRST YEAR- SEMSTER I				
CODE	COURSE TITLE	COURSE TYPE	HPW	CREDITS
	Ability Enhancement Compulsory Course AECC-1	ES	2	2
	English	CC-1A	4	4
	Second language	CC-2A	4	4
	Optional I	DSC-1A	4T+3P=7	4+1=5
	Optional II	DSC-2A	4T+3P=7	4+1=5
	Optional III- Chemistry - I	DSC-3A	4T 3P } = 7	4 1 } = 5
	Laboratory Course - I (Qualitative Analysis)			
	Total Credits		31	25
FIRST YEAR- SEMSTER 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)			
	Total Credits		31	25
SECOND YEAR- SEMSTER III				
BS 301	Rules of Chemistry Laboratory and Lab Reagents Remedial methods for pollution, drinking water and Soil fertility	SEC-1	2	2
		SEC-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- SEMSTER IV				
BS 401	Materials and their Applications	SEC-3	2	2
	Chemistry of Cosmetics and Food Processing	SEC-4	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 and Spectral 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.

(Dr. M. NOORJAHAN) (Dr. G. BALAKRISHNAN) (Dr. G. HANUMANTH) (Dr. M. SARASIJIA)
 B.O.S. Kw wpl C.B.O.S., TU
 HOD, Chemistry
 Vaagdevi Degree & P.G. College
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B.Sc Programme Course pattern under CBCS wef 2016-17

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KAKATIYA UNIVERSITY WARANGAL, 506 009
Scheme for under Choice Based Credit System
With Effect from the Academic Year 2016-2019
B.S.C. PROGRAMME

FIRST YEAR

SEMESTER - I

Code	Course category	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
					LA	End Exam	Lab Practical	
BS101	AECC-1	ENVIRONMENTAL STUDIES	2	2	10	40	-	50
BS102	CC-1A	ENGLISH	5	5	20	80	-	100
BS103	CC-2A	SECOND LANGUAGE	5	5	20	80	-	100
BS104	DSC-1A	OPTIONAL - I	4	4	20	80	25	125
		OPTIONAL - I LAB	1	2				
BS105	DSC-2A	OPTIONAL - II	4	4	20	80	25	125
		OPTIONAL - II LAB	1	2				
BS106	DSC-3A	OPTIONAL - III	4	4	20	80	25	125
		OPTIONAL - III LAB	1	2				
Summary of Credits			27	-	-	-	-	625

SEMESTER - II

Code	Course category	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
					LA	End Exam	Lab Practical	
BS201	AECC-2	GENDER SENSITISATION	2	2	10	40	-	50
BS202	CC-1B	ENGLISH	5	5	20	80	-	100
BS203	CC-2B	SECOND LANGUAGE	5	5	20	80	-	100
BS204	DSC-1B	OPTIONAL - I	4	4	20	80	25	125
		OPTIONAL - I LAB	1	2				
BS205	DSC-2B	OPTIONAL - II	4	4	20	80	25	125
		OPTIONAL - II LAB	1	2				
BS206	DSC-3B	OPTIONAL - III	4	4	20	80	25	125
		OPTIONAL - III LAB	1	2				
Summary of Credits			27	-	-	-	-	625

AECC: Ability Enhancement Compulsory Course;

SEC: Skill Enhancement Course;

DSC: Discipline Specific Course;

DSE: Discipline Specific Elective;

GE: Generic Elective;



A. Subhashankar

Principal

Vaagdevi Degree & P.G. College

Kishanpura, Hanumakonda.

KAKATIYA UNIVERSITY WARANGAL 506 009
Scheme for under Choice Based Credit System
With Effect from the Academic Year 2016-2019
B.S.C. PROGRAMME

SECOND YEAR

SEMESTER - III

Code	Course category	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
					I.A	End Exam	Lab Practical	
BS 301	SEC-1	Computer Basics and Automation	2	2	10	40	-	60
BS 302	CC-1C	ENGLISH	5	5	20	80	-	100
BS 303	CC-2C	SECOND LANGUAGE	5	5	20	80	-	100
BS 304	DSC-1C	OPTIONAL - I	4	4	20	80	25	125
		OPTIONAL - I LAB	1	2				
BS 305	DSC-2C	OPTIONAL - II	4	4	20	80	25	125
		OPTIONAL - II LAB	1	2				
BS 306	DSC-3C	OPTIONAL - III	4	4	20	80	25	125
		OPTIONAL - III LAB	1	2				
Summary of Credits			27	-	-	-	-	625

SEMESTER - IV

Code	Course category	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
					I.A	End Exam	Lab Practical	
BS401	SEC-2	Multimedia Application	2	2	10	40	-	60
BS402	CC-1D	ENGLISH	5	5	20	80	-	100
BS403	CC-2D	SECOND LANGUAGE	5	5	20	80	-	100
BS404	DSC-1D	OPTIONAL - I	4	4	20	80	25	125
		OPTIONAL - I LAB	1	2				
BS405	DSC-2D	OPTIONAL - II	4	4	20	80	25	125
		OPTIONAL - II LAB	1	2				
BS406	DSC-3D	OPTIONAL - III	4	4	20	80	25	125
		OPTIONAL - III LAB	1	2				
Summary of Credits			27	-	-	-	-	625

AECC: Ability Enhancement Compulsory Course;

SEC: Skill Enhancement Course;

DSC: Discipline Specific Course;

DSE: Discipline Specific Elective;

GE: Generic Elective;



A. Anshadul Khan
Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

KAKATIYA UNIVERSITY WARANGAL 506 009
Scheme for under Choice Based Credit System
With Effect from the Academic Year 2016-2019
B.S.C. PROGRAMME

FINAL YEAR

SEMESTER - V

Code	Course Type	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
					IA	End Exam	Total	
BS 501	SEC-3	Verbal Reasoning for Aptitude Test (Interdisciplinary to be offered to all Science departments)	2	2	10	40	50	50
BS 502	GE-I	Public Health and Hygiene (Interdisciplinary to be offered to all Science departments)	2	2	10	40	50	50
BS 503	DSC-1E	OPTIONAL - I	3	3	20	80	100	125
		OPTIONAL - I LAB	1	2	-	25	25	
BS 504	DSC-2E	OPTIONAL - II	3	3	20	80	100	125
		OPTIONAL - II LAB	1	2	-	25	25	
BS 505	DSC-3E	OPTIONAL - III	3	3	20	80	100	125
		OPTIONAL - III LAB	1	2	-	25	25	
BS 506	DSE-1E	OPTIONAL - I Elective (A/B/C)	3	3	20	80	100	125
		OPTIONAL - I Elective (A/B/C) LAB	1	2	-	25	25	
BS 507	DSE-2E	OPTIONAL - II Elective (A/B/C)	3	3	20	80	100	125
		OPTIONAL - II Elective (A/B/C) LAB	1	2	-	25	25	
BS 508	DSE-3E	OPTIONAL - III Elective (A/B/C)	3	3	20	80	100	125
		OPTIONAL - III Elective (A/B/C) LAB	1	2	-	25	25	
Summary of Credits			20	34	-	-	-	850

*DSC: Discipline Specific Course (Core)
 *SEC: Skill Enhancement Courses
 *DSE: Discipline Specific Elective (Elective).



A. Sushil Kumar
 Principal
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KAKATIYA UNIVERSITY WARANGAL 506 009
Scheme for under Choice Based Credit System
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B.S.C. PROGRAMME

FINAL YEAR

SEMESTER - VI

Code	Course Type	Title of the Paper	No. of Credits	HPW	Max. Marks			Total Marks
					LA	End Exam	Total	
BS 601	SEC-4	Quantitative Aptitude Test (Interdisciplinary to be offered to all Science departments.)	2	2	10	40	50	50
BS 602	GE-II	Water Resources Management (Interdisciplinary to be offered to all Science departments.)	2	2	10	40	50	50
BS 603	DSC-1F	OPTIONAL - I	3	3	20	80	100	125
		OPTIONAL - I LAB	1	2	-	25	25	
BS 604	DSC-2F	OPTIONAL - II	3	4	20	80	100	125
		OPTIONAL - II LAB	1	2	-	25	25	
BS 605	DSC-3F	OPTIONAL - III	3	3	20	80	100	125
		OPTIONAL - III LAB	1	2	-	25	25	
BS 606	DSE-1F	OPTIONAL - I Elective (A/B/C)	3	3	20	80	100	125
		OPTIONAL - I Elective (A/B/C) LAB	1	2	-	25	25	
BS 607	DSE-2F	OPTIONAL - II Elective (A/B/C)	3	3	20	80	100	125
		OPTIONAL - II Elective (A/B/C) LAB	1	2	-	25	25	
BS 608	DSE-3F	OPTIONAL - III Elective (A/B/C)	3	3	20	80	100	125
		OPTIONAL - III Elective (A/B/C) LAB	1	2	-	25	25	
Summary of Credits			28	34	-	-	-	850

*DSC: Discipline Specific Course (Core)
 *SEC: Skill Enhancement Courses
 *DSE: Discipline Specific Elective (Elective).



A. Subrahmanyan
 Principal
 Vaagdevi Degree & P.G. College
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**Course Structure of B.Sc (Physics) Programme under CBCS pattern
w.e.f. Academic Year 2016-17**

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**B.Sc. (Physics) Syllabus, Kakatiya University, Warangal
CBCS pattern in Semester System (w. e. from 2016-2017)**

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**KAKATIYA UNIVERSITY, WARANGAL
SCHEME FOR CHOICE BASED CREDIT SYSTEM**

**B.Sc. (PHYSICS)
SEMESTER PATTERN**

YEAR	SEM	COURSE (PAPER) TITLE WITH CODE	COURSE TYPE*	HRS/WEEK	CREDITS	MARKS	
						Internal Assessment	SEM End Exam
FIRST	I	101: Mechanics	DSC-1	4	4	20	80
		101(P): Mechanics Lab (Pr)	DSC-1(P)	3	1	-	25
	II	201: Waves and Oscillations	DSC-2	4	4	20	80
		201(P): Waves and Oscillations Lab (Pr)	DSC-2(P)	3	1	-	25
SECOND	III	301: Thermal Physics	DSC-3	4	4	20	80
		301(P): Thermal Physics Lab (Pr)	DSC-3(P)	3	1	-	25
	IV	401: Optics	DSC-4	4	4	20	80
		401(P): Optics Lab (Pr)	DSC-4(P)	3	1	-	25
THIRD	V	501: Electromagnetism	DSC-5	3	3	15	60
		501(P): Electromagnetism Lab (Pr)	DSC-5(P)	3	1	-	25
		502: Elective (Theory) - 1 (A/B/C) A. Solid state physics B. Modern Optics	DSE-1	3	3	15	60
		502(P): Elective (Practical) - 1 (A/B/C) A. Solid state physics Lab B. Modern Optics Lab	DSE-1(P)	3	1	-	25
	VI	601: Modern Physics	DSC-6	3	3	15	60
		601(P): Modern Physics Lab (Pr)	DSC-6(P)	3	1	-	25
		602: Elective (Theory) - 2 (A/B/C) A. Basic Electronics B. Physics of Semiconductor devices	DSE-2	3	3	15	60
		602(P): Elective (Practical) - 2 (A/B/C) A. Basic Electronics Lab B. Physics of Semiconductor devices Lab	DSE-2(P)	3	1	-	25
		Total			36	140	760
						Grand Total : 900	

*DSC: Discipline Specific Course (Core) DSE: Discipline Specific Elective (Elective)

R. Venkatram Reddy
Dr. B. Venkatram Reddy
Chairman, Board of Studies in Physics, KU, Wg
Date: 24th Aug, 2016 & 5th June, 2017

A. Subrahmanya
Principal

**Vaagdevi Degree & P.G. College
Kishanpura, Hanumanakonda.**



B.Sc. PHYSICS SYLLABUS
Kakatiya University, Warangal

J. V. Raju

SEMESTER PATTERN

YEAR	SEMESTER	THEORY/ PRACTICAL	TITLE OF THE PAPER	WORK LOAD HRS/WEEK
F I R S T	FIRST	Theory - I	Mechanics	4 / 32 working hours
		Practical - I	Mechanics Practicals	3
	SECOND	Theory - II	Waves and Oscillations	4
		Practical - II	Waves and Oscillations Practicals	3
S E C O N D	THIRD	Theory - III	Thermal Physics	4
		Practical-III	Thermal Physics Practicals	3
	FOURTH	Theory - IV	Optics	4
		Practical - IV	Optics Practicals	3
T H I R D	FIFTH	Theory - V	Electromagnetic Theory	3
		Practical - V	Electromagnetic Theory Practicals	3
		Theory - VI	Atomic Physics	3
		Practical-VI	Atomic Physics Practicals	3
	SIXTH	Theory - VII	Basic Electronics	3
		Practical-VII	Basic Electronics Practicals	3
		Theory - VIII	Modern Physics	3
		Practical-VIII	Modern Physics Practicals	3

R. Venkatram Reddy

Dr. B. Venkatram Reddy
Chairman, Board of Studies in Physics, KU

A. Jagdevi
Principal

Jagdevi Degree & P.G. College
Kishanpura, Hanamakonda.



9053 66658

B.Sc. – Zoology

CBCS Credit pattern in semester system (with effect from 2016-2017)

Code	Seme ster	Course Category	Title of the Paper	No. of credits	HPW	Max. Marks			Total Marks
						LA	End Exam	Total	
First Year									
BS10 4	I	DSC-1A (Theory)	Animal Diversity- Invertebrates	4	4	20	80	100	125
		DSC-1A (Practical)		1	2	-	25	25	
BS20 4	II	DSC-1B (Theory)	Ecology, Zoogeography and Animal Behavior	4	4	20	80	100	125
		DSC-1B (Practical)		1	2	-	25	25	
Second Year									
BS30 4	III	DSC-1C (Theory)	Animal Diversity- Vertebrates and Developmental Biology	4	4	20	80	100	125
		DSC-1C (Practical)		1	2	-	25	25	
BS40 4	IV	DSC-1D (Theory)	Cell and molecular Biology, Genetics and Evolution	4	4	20	80	100	125
		DSC-1D (Practical)		1	2	-	25	25	
Third Year									
BS50 3	V	DSC-1E (Theory)	Physiology and Biochemistry	3	3	15	60	75	100
		DSC-1E (Practical)		1	2	-	25	25	
BS50 6	V	DSC-1E (Theory)	Applied Zoology or Food and Nutrition or Bioinstrumentation	3	3	15	60	75	100
		DSC-1E (Practical)		1	2	-	25	25	
BS60 3	VI	DSC-1F (Theory)	Immunology and Animal Biotechnology	3	3	15	60	75	100
		DSC-1F (Practical)		1	2	-	25	25	
BS60 6	VI	DSC-1F (Theory)	Public Health and Hygiene or Aquatic Biology or Sericulture	3	3	15	60	75	100
		DSC-1F (Practical)		1	2	-	25	25	
Summary of credits				36	-	-	-	-	900



A. Subudhalaxmi
Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

Prof. T. RAVINDER REDDY

Chairman
Board of Studies
Department of Zoology
KAKATIYA UNIVERSITY, WGL-506 009 (T.S)

KAKATIYA UNIVERSITY, WARANGAL - 506 009
B.Sc. PROGRAMME
Under CBCS System
Scheme wef A.Y: 2019-20

FIRST YEAR

SEMESTER - I

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS101	AECC-1	Environmental Science *	2	2	10	40	-	50
BS102	FL-1A	English	4	4	20	80	-	100
BS103	SL-1A	Second Language	4	4	20	80	-	100
BS104	DSC-1A	Optional - I	4	4	20	80	25	125
		Optional - I Lab	1	3				
BS105	DSC-2A	Optional- II	4	4	20	80	25	125
		Optional - II LAB	1	3				
BS106	DSC-3A	Optional - III	4	4	20	80	25	125
		Optional - III LAB	1	3				
TOTAL:			25	-	110	440	75	625

SEMESTER - II

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS201	AECC-2	Basic Computer Skills (Taught by: Computer Science)	2	2	10	40	-	50
BS202	FL-2B	English	4	4	20	80	-	100
BS203	SL-2B	Second Language	4	4	20	80	-	100
BS204	DSC-1B	Optional - I	4	4	20	80	25	125
		Optional - I Lab	1	3				
BS205	DSC-2B	Optional - II	4	4	20	80	25	125
		Optional - II Lab	1	3				
BS206	DSC-3B	Optional - III	4	4	20	80	25	125
		Optional - III LAB	1	3				
TOTAL :			25	-	110	440	75	625



A. Anandhalam
 Principal
 Vaagdevi Degree & P.G. College
 Kishanpura, Hanumakonda.

KAKATIYA UNIVERSITY, WARANGAL - 506 009
B.Sc. PROGRAMME
Under CBCS System
Scheme wef A.Y: 2020-21

SECOND YEAR

SEMESTER - III

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS 301	SEC-1	Fundamentals of Nano Technology (Taught by : Physics)	2	2	10	40	-	50
BS 302	SEC-2	Bio Statistics (Taught by : Statistics)	2	2	10	40	-	50
BS 303	FL-3 A	English	3	3	15	60	-	75
BS 304	SL-3 B	Second Language	3	3	15	60	-	75
BS 305	DSC-1C	Optional - I	4	4	20	80	25	125
		Optional - I Lab	1	3				
BS 306	DSC-2C	Optional - II	4	4	20	80	25	125
		Optional- II Lab	1	3				
BS 307	DSC-3C	Optional - III	4	4	20	80	25	125
		Optional - III Lab	1	3				
TOTAL:			25	-	110	440	75	625

SEMESTER - IV

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS401	SEC-3	Fundamentals of Python (Taught by: Computer Science)	2	2	10	40	-	50
BS402	SEC-4	Remedial Methods of Pollution - Drinking Water & Soil Fertility (Taught by: Chemistry)	2	2	10	40	-	50
BS403	FL-4 A	English	3	3	15	60	-	75
BS404	SL-4 B	Second Language	3	3	15	60	-	75
BS405	DSC-1D	Optional - I	4	4	20	80	25	125
		Optional - I Lab	1	3				
BS406	DSC-2D	Optional - II	4	4	20	80	25	125
		Optional - II Lab	1	3				
BS407	DSC-3D	Optional - III	4	4	20	80	25	125
		Optional- III Lab	1	3				
TOTAL :			25	-	110	440	75	625



A. Subrahmanyan
G. College
 Kishanpeta.

KAKATIYA UNIVERSITY, WARANGAL - 506 009
B.Sc. PROGRAMME
Under CBCS System
Scheme wef A.Y: 2021-2022

THIRD YEAR

SEMESTER - V

Code	Course Type	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS 501	FL-5 A	English	3	3	15	60	-	75
BS 502	SL-5 B	Second Language	3	3	15	60	-	75
BS 503	G.E.	Water Resources Management (Taught by: Any Science Dept.)	4	4	20	80	-	100
BS 504	DSE-1E	Optional - I	4	4	20	80	25	125
		Optional - I Lab	1	3				
BS 505	DSE-2E	Optional - II	4	4	20	80	25	125
		Optional - II Lab	1	3				
BS506	DSE-3E	Optional - III	4	4	20	80	25	125
		Optional - III Lab	1	3				
TOTAL:			25	-	110	440	75	625

SEMESTER - VI

Code	Course Type	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS 601	FL-6A	English	3	3	15	60	-	75
BS 602	SL-6 B	Second Language	3	3	15	60	-	75
BS 603	P.W / Optional	Optional: Public Health & Hygiene (Taught by: Zoology / Botany / Biotechnology / Micro Biology)	4	4	20	80	-	100
BS 604	DSE-1F	Optional - I	4	4	20	80	25	125
		Optional - I Lab	1	3				
BS 605	DSE-2F	Optional - II	4	4	20	80	25	125
		Optional - II Lab	1	3				
BS 606	DSE-3F	Optional - III	4	4	20	80	25	125
		Optional - III Lab	1	3				
TOTAL:			25	-	110	440	75	625



A. Subhadalam

Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

Kakatiya University Warangal 506 009
Scheme for B.Com Programme under Choice Based Credit System
 With Effect from the Academic Year 2016-2017

FIRST YEAR SEMESTER-I					Max. Marks			
Code	Course Title	Course Type	HPW	Credits	Internal Marks	End Exam Marks	Lab Practical	Total Marks
BC 101	Environmental Studies	AECC-1	2	2	10	40		50
BC102	English	CC-1A	5	5	20	80		100
BC103	Second Language	CC-2A	5	5	20	80		100
BC 104	Financial Accounting - I	DSC- 1A	5	5	20	80		100
BC 105	Business Economics	DSC- 2A	5	5	20	80		100
BC 106	Business Organization	DSC -3A	4	4	20	80		100
BC107	Information Technology	DSC - 4A	3T+2P	4	20	60	20	100
SEMESTER-II								
BC 201	Gender Sensitisation	AECC-2	2	2	10	40		50
BC 202	English	CC-1B	5	5	20	80		100
BC 203	Second Language	CC-2B	5	5	20	80		100
BC 204	Financial Accounting - II	DSC - 1B	5	5	20	80		100
BC 205	Managerial Economics	DSC- 2B	5	5	20	80		100
BC 206	Principle of Management	DSC- 3B	4	4	20	80		100
BC 207	Foreign Trade	DSC - 4B	4	4	20	80		100
Second YEAR SEMESTER-III								
BC301	Communication Skills	SEC-1	2	2	10	40		50
BC 302	English	CC-1C	5	5	20	80		100
BC303	Second Language	CC-2C	5	5	20	80		100
BC 304	Advanced Accounting	DSC- 1C	5	5	20	80		100
BC 305	Business Statistics - I	DSC- 2C	5	5	20	80		100
BC 306	Income Tax - I	DSC-3C	4	4	20	80		100
BC 307	Entrepreneurial Development & Business Ethics	DSC-4C	4	4	20	80		100
BC 307 (CA)only	Programming with C (CA)	DSC-4C	4	4	20	60	20	100
SEMESTER-IV								
BC 401	Soft Skills	SEC-2	2	2	10	40		50
BC 402	English	CC-1D	5	5	20	80		100
BC403	Second Language	CC-2D	5	5	20	80		100
BC 404	Corporate Accounting	DSC- 1D	5	5	20	80		100
BC 405	Business Statistics - II	DSC- 2D	5	5	20	80		100
BC 406	Income Tax - II	DSC - 3D	4	4	20	80		100
BC 407	Auditing	DSC - 4D	4	4	20	80		100



A. Subudhakar
 Principal
Vaagdevi Degree & P.G. College
 Kishanpura, Hanumakonda.

B.Com CA (CBCS) III Year V Semester				
BC501	Consumerism	SEC-3	2	2
BC502	Organisational Behaviour	GE-1	2	2
BC503	Cost Accounting	DSC	5	5
BC504	Business Law	DSC	5	5
BC505	Banking Theory & Practice	DSC	4	4
BC506	Computerised Accounting	DSC	4	4
BC507	E- Commerce	DSE	4	4
BC508	Objective oriented Programming with C++	DSE	4	4
	Total		30	30
B.Com CA (CBCS) III Year VI Semester				
BC601	Preparation of Tax Returns	SEC-4	2	2
BC602	Advertising	GE-2	2	2
BC603	Managerial Accounting	DSC	5	5
BC604	Company Law	DSC	5	5
BC605	Financial Institutions & Markets	DSC	4	4
BC606	Commerce Lab	DSC	4	4
BC607	Web Technologies	DSE	4	4
BC608	Relational Data Base Management	DSE	4	4
	Total		30	30

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective;



A. Sridharan

Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

B.Com General (CBCS) III Year V Semester				
BC501	Consumerism	SEC-3	2	2
BC502	Organisational Behaviour	GE-1	2	2
BC503	Cost Accounting	DSC	5	5
BC504	Business Law	DSC	5	5
BC505	Banking Theory & Practice	DSC	4	4
BC506	Computerised Accounting	DSC	4	4
BC507	Financial Management	DSE	4	4
BC508	Principles of Marketing	DSE	4	4
	Total		30	30
B.Com General (CBCS) III Year VI Semester				
BC601	Preparation of Tax Returns	SEC-4	2	2
BC602	Advertising	GE-2	2	2
BC603	Managerial Accounting	DSC	5	5
BC604	Company Law	DSC	5	5
BC605	Financial Institutions & Markets	DSC	4	4
BC606	Commerce Lab	DSC	4	4
BC607	Human Resource Management	DSE	4	4
BC608	Tax Planning and Management	DSE	4	4
	Total		30	30

AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective;



A. Subrahmaniam

Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

B.Com.

Restructure course of B.Com. I Year General (T.M. & E.M.)

Part - II	Subjects / Papers	No.of. Hours per Week	Practi-cals	Theory
101.	Financial Accounting	6	30	70
102.	Business Economics	4	-	100
103.	Business Organization & Management	5	30	70
104.	Fundamentals of Information Technology	5	30	70

B.Com. I Year Computer Applications

Part - II	Subjects / Papers	No.of. Hours per Week	Practi-cals	Theory
101.	Financial Accounting	6	30	70
102.	Programming Concepts Using 'C'	4	30	70
103.	Business Organization & Management	5	30	70
104.	Fundamentals of Information Technology	5	*30	70



A. Kishanpura
Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanumanakonda.

**B.Com. II Year (Regular & Restructured Courses) - New
General (T.M. & E.M.)**

Part - II	Subjects / Papers	No.of. Hours per Week	Practi-cals	Theory
201.	Advanced Accounting	6(5+1)	30	70
202.	Business Statistics	5(5+1)	30	70
203.	Financial Services - Banking & Insurance	5	30	70
204.	Taxation	4	30	70

B.Com. II Year Computer Applications

Part - II	Subjects / Papers	No.of. Hours per Week	Practi-cals	Theory
201.	Electronic Commerce	5(3+2)	30	70
202.	Business Statistics	5(4+1)	30	70
203.	Taxation	4	30	70
204.	Business Data Processing System	5	30	70



Principal
 Vaagdevi Degree & P.G. College
 Kishanpura, Hanumakonda.

**B.Com. III Year (Regular & Restructures Courses) - New
General (T.M. & E.M.)**

Part - II	Subjects / Papers	No.of. Hours per Week	Practi-cals	Theory
301.	Business Laws	5(4+1)	30	70
302.	Corporate Accounting	5(4+1)	30	70
303.	Cost & Management Accounting	5(4+1)	30	70
304.	Auditing	5(4+1)	30	70
305.	Business Communication	5	-	100
306.	Advanced Corporate Accounting	5	30	70
307.	Advanced Management Accounting	5	-	100

B.Com. III Year Computer Applications

Part - II	Subjects / Papers	No.of. Hours per Week	Practi-cals	Theory
301.	Business Laws	5(4+1)	30	70
302.	Corporate Accounting	5(4+1)	30	70
303.	Cost & Management Accounting	5(4+1)	30	70
304.	Auditing	5(4+1)	30	70
305.	Business Communication	5	-	100
306.	Web Programming	5(3+2)	30	70
307.	Relational Database Management Systems	5(3+2)	30	70

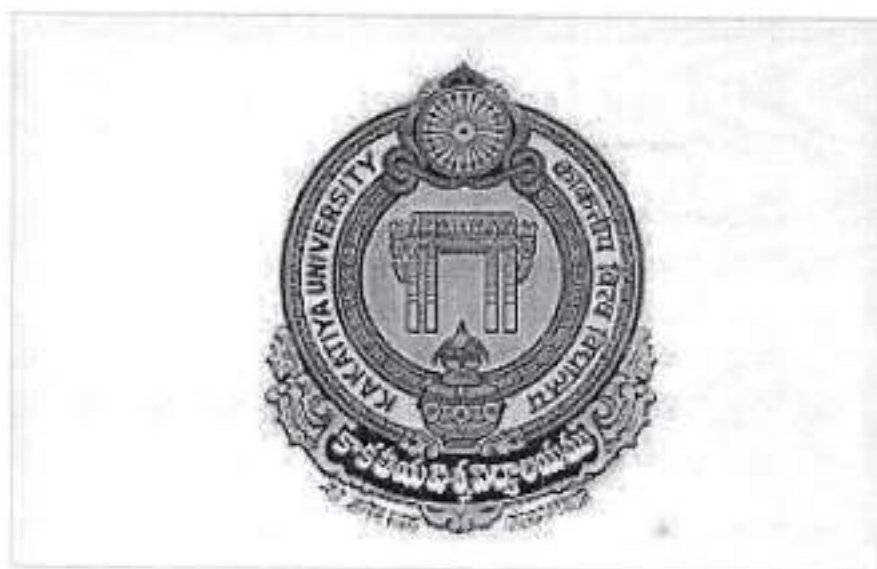



 Principal
 Vaagdevi Degree & P.G. College
 Kishanpura, Haveri District, Karnataka.

B.Com. (Tax Procedures)

Syllabus (CBCS)

(w.e.f. 2019-2020)



FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyapuri, Warangal

2019-2020

B.COM (Tax Procedures)
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	Environmental Science/ Basic Computer Skills	2	2		
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	Income Tax - I	5	5	3 hrs	80U+20I
		Total	25	25		
SEMESTER - II						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	Basic Computer Skills/ Environmental Science	2	2		
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Income Tax - II	5	5	3 hrs	80U+20I
		Total	25	25		
SEMESTER - III						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	SEC1ucc Specified Course	Communication Skills Professional Skills	2	2	1 ½ hrs	40U+10I
16.	SEC2Dep t. Specified Course	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	Assessment of Other Entities	5	5	3 hrs	80U+20I
		Total	25	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.	SEC4 Dept. Specified Course	a) Practice of Life and General Insurance / Social Media Marketing Search Engine Optimization & Online Advertising	2	2	1 ½ hrs	40U+10I
24.	DSC401	Excel Foundation	5	5	3 hrs	80U+20I
25.	DSC402	Business Statistics-II	5	5	3 hrs	80U+20I
26.	DSC403	Customs Procedure & Practice	5	5	3 hrs	80U+20I
		Total	25	25		

A. Sushobhan

Faculty of Commerce & Business Management, Kakatiya University, Warangal

SEMESTER - V						
27.	ELS5	English (First Language)	3	3		
28.	SLS5	Second Language	3	3		
29.	GE	Business Economics	4	4	3 hrs	80U+20I
30.	DSE501	Cost Accounting/ Financial Planning & Performance/ International Financial Reporting-I	5	5	3 hrs	80U+20I
31.	DSE502	Computerized Accounting/ Financial Decision Making-I/ International Tax & Regulation	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
32.	DSE503	Tax Planning & Management/ Advanced Corporate Accounting/ Financial Management	5	5	3 hrs	80U+20I
Total			27/25	25		
SEMESTER - VI						
a)	ELS6	English (First Language)	3	3		
b)	SLS6	Second Language	3	3		
c)	PR	Research Methodology and Project Report	2T+4R	4	1 ½ hrs	40U+10I 35R+15VV
d)	DSE601	a) Cost Control and Management Accounting/ Financial control/ International Financial Reporting-II	5	5	3 hrs	80U+20I
e)	DSE602	Theory and Practice of GST/ Financial Decision Making-II / International Auditing	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
f)	DSE603	International Tax & Regulation/ Corporate Governance/ Investment Management	5	5	3 hrs	80U+20I
Total			29/27	25		
GRAND TOTAL			156/152	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		38		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)	

A. Subbarao

Faculty of Commerce & Business Management, Kakatiya University, Warangal.

B.Com.
(GENERAL)
(CBCS)



FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyapuri, Warangal

2019-2020

B.COM (GENERAL)

CBCS COURSE STRUCTURE

Sl.No.	Code	Course Title	HPW	Credits	Exam Hrs	Marks
(1)	(2)	(3)	(5)	(6)	(7)	(8)
I Year I Semester						
1.	ELS1	English (First Language)	4	4		
2.	SLS1	Second Language	4	4		
3.	AECC1	Environmental Science/ Basic Computer Skills	2	2		
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	Foreign Trade	5	5	3 hrs	80U+20I
Total			25	25		
I Year II Semester						
7.	ELS2	English (First Language)	4	4		
8.	SLS2	Second Language	4	4		
9.	AECC2	Basic Computer Skills/ Environmental Science	2	2		
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Banking and Financial Services	5	5	3 hrs	80U+20I
Total			25	25		
II Year I Semester						
13.	ELS3	English (First Language)	3	3		
14.	SLS3	Second Language	3	3		
15.	SEC1	Principles of Insurance/ Foundation of Digital Marketing/ Fundamentals of Business Analytics	2	2	1 ½ hrs	40U+10I
16.	SEC2	Practice of Life Insurance/ Web Design & Analytics/ 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	Financial Institutions and Markets	5	5	3 hrs	80U+20I
Total			25	25		

A. Srinivasulu

Faculty of Commerce & Business Management, Kakatiya University, Warangal.

Sl.No.	Code	Course Title	HPW	Credits	Exam Hrs	Marks
(1)	(2)	(3)	(5)	(6)	(7)	(8)
II Year II Semester						
20.	ELS4	English (First Language)				
21.	SLS4	Second Language	3	3		
22.	SEC3	Practice of General Insurance/ Social Media Marketing Business Intelligence	3	3		
23.	SEC4	a) Regulation of Insurance Business/ b) Search Engine Optimization & Online Advertising c) Data Visualisation & Storytelling	2	2	1 ½ hrs	40U+10I
24.	DSC401	Income Tax/Excel Foundation	2	2	1 ½ hrs	40U+10I
25.	DSC402	Business Statistics-II	5	5	3 hrs	80U+20I
26.	DSC403	Corporate Accounting	5	5	3 hrs	80U+20I
		Total	5	5	3 hrs	80U+20I
			25	25		
III Year I Semester						
27.	ELS5	English (First Language)				
28.	SLS5	Second Language	3	3		
29.	GE	Business Economics	3	3		
30.	DSE501	Cost Accounting/ Financial Planning & Performance/ Financial Reporting-I	4	4	3 hrs	80U+20I
31.	DSE502	Computerized Accounting/ Financial Decision Making-I/ International Tax & Regulation	5	5	3 hrs	80U+20I
32.	DSE503	Auditing/ Advanced Corporate Accounting/ Financial Management	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
		Total	5	5	3 hrs	80U+20I
			27/25	25		
III Year II Semester						
33.	ELS6	English (First Language)				
34.	SLS6	Second Language	3	3		
35.	PR	Research Methodology and Project Report	3	3		
36.	DSE601	a) Cost Control and Management Accounting/ Financial control/ Financial Reporting-II	2T+4R	4	1 ½ hrs	40U+10I +15V V
37.	DSE602	Theory and Practice of GST/ Financial Decision Making-II / International Auditing	5	5	3 hrs	80U+20I
38.	DSE603	Accounting Standards/ Corporate Governance/ Investment management	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
		Total	5	5	3 hrs	80U+20I
		GRAND TOTAL	29/27	25		
			156/152	150		

A. Subhadra

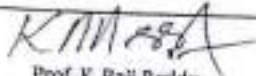
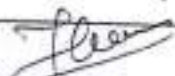

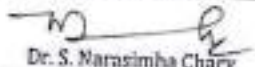
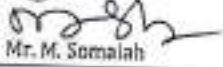


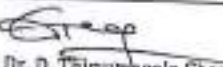
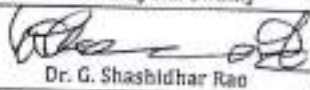
Faculty of Commerce & Business Management, Kakatiya University, Warangal.

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	38		150
	Commerce	24		106
CREDITS UNDER NON-CGPA		SS/NCC/Sports/Extra Curricular	Up to 6 (2 in each year)	
		Summer Internship	Up to 4 (2 in each after I & II years)	

 Prof. K. Raji Reddy	 Prof. P. Varalaxmi	 Dr. K. Rajender
 Dr. S. Narasimha Chary	 Mr. M. Somalah	 Dr. S. Narayana Swamy
 Dr. Ramavath Ravi	 Dr. D. Thiruvengala Chary	 Dr. G. Shashidhar Rao

A. Subrahmanya

Faculty of Commerce & Business Management, Kakatiya University, Warangal

B.Com.
(Computer Applications)
(CBCS)



FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyaपुरi, Warangal

2019-2020

B.COM (Computer Applications)**CBCS COURSE STRUCTURE**

Sl.No.	Code	Course Title	HPW	Credits	Exam Hrs	Marks
(1)	(2)	(3)	(5)	(6)	(7)	(8)
I Year I Semester						
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		
I Year II Semester						
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		
II Year I Semester						
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		



A. Subrahmanya
Principal
Vaagdevi Degree College, Kishanpura, Hanamkonda, Warangal

Faculty of Commerce & Business Management, Kakatiya University, Warangal

II Year II Semester						
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
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		
III Year I Semester						
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		
III Year II Semester						
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.

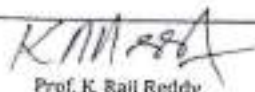
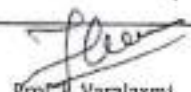

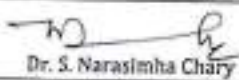

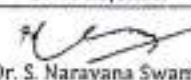
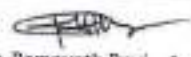
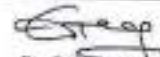
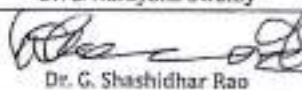
Note: If a student should opt for "a" in SEC in III semester, the student has to opt for "a" only in IV semester and so is the case with "b" and "c". In the case of DSE also the rule applies.



A. Subhadra
Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

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)	

 Prof. K. Raji Reddy	 Prof. H. Varalaxmi	 Dr. K. Rajender
 Dr. S. Narasimha Chary	 Mr. M. Somaiah	 Dr. S. Narayana Swamy
 Dr. Ramavath Ravi	 Dr. D. Thiruvengala Chary	 Dr. G. Shashidhar Rao

A. Subrahmanian

Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.



Faculty of Commerce & Business Management, Kakatiya University

B.Com. (Business Analytics)

Syllabus (CBCS)

(w.e.f. 2020-2021)



FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyapuri, Warangal

2019-2020

Faculty of Commerce & Business Management, Kakatiya University

B.COM (Business Analytics)
CBCS COURSE STRUCTURE
w.e.f. 2020-21

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		
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	Data-driven Decision Making	5	5	3 hrs	80U+20I
		Total	25	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		
10.	DSC201	Financial Accounting-II	5	5	3 hrs	80U+20I
11.	DSC202	Business Laws	5	5	3 hrs	80U+20I
12.	DSC203	Data Analytics Essentials	5	5	3 hrs	80U+20I
		Total	25	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	Data Analytics Modeling	5	5	3 hrs	80U+20I
		Total	25	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
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	Forecasting & Predictive Analytics	5	5	3 hrs	80U+20I
		Total	25	25		



A. Srinivasulu
Vaagdevi Degree & P.G. College
Kishanpura, Hanamakonda.

Faculty of Commerce & Business Management, Kakatiya University

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) Advanced Data Visualization/ b) Advanced Corporate Accounting/ c) Financial Management	5	5	3 hrs	80U+20I
Total			27/25	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) Business Applications of Emerging Technologies/ b) Corporate Governance/ c) Investment management	5	5	3 hrs	80U+20I
Total			29/27	25		
GRAND TOTAL			156/152	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	Modern Language	6	4/3	20
3	AEC	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		38		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)	



BBA (CBCS)



**FACULTY OF COMMERCE & BUSINESS MANAGEMENT
KAKATIYA UNIVERSITY
Vidyaranyapuri, Warangal**

2019-2020

BBA Course Structure and Syllabus
As per CBCS Guidelines
with Effect from 2019 - 2020

I YEAR I SEMESTER

<i>Course Code</i>	<i>Course Title</i>	<i>HPW</i>	<i>Credits</i>	<i>Exam Hrs.</i>	<i>Marks</i>
ELS 1	English (First Language) - 1	4	4		
MIL 1	MIL - 1	4	4		
AECC 1	Environmental Science	2	2		
DSC 101	Principles of Management	5	5	3 Hrs.	80 U + 20 I
DSC 102	Basics of Marketing	5	5	3 Hrs.	80 U + 20 I
DSC 103	Business Economics	5	5	3 Hrs.	80 U + 20 I
	Total Semester Credits	25	25		

I YEAR II SEMESTER

<i>Course Code</i>	<i>Course Title</i>	<i>HPW</i>	<i>Credits</i>	<i>Exam Hrs.</i>	<i>Marks</i>
ELS 2	English (First Language) - 2	4	4		
MIL 2	MIL - 2	4	4		
AECC 2	Basic Computer Skills	2	2		
DSC 201	Organisational Behaviour	5	5	3 Hrs.	80 U + 20 I
DSC 202	Business Statistics	5	5	3 Hrs.	80 U + 20 I
DSC 203	Financial Accounting	5	5	3 Hrs.	80 U + 20 I
	Total Semester Credits	25	25		

II YEAR I SEMESTER

<i>Course Code</i>	<i>Course Title</i>	<i>HPW</i>	<i>Credits</i>	<i>Exam Hrs.</i>	<i>Marks</i>
ELS 3	English (First Language) - 3	3	3		
MIL 3	MIL - 3	3	3		
SEC 1	a) Personality Development - I b) Advanced Computers	2	2	1 ½ Hrs.	40 U + 10 I
SEC 2	a) Basic Quality Management b) Business Policy and Strategy	2	2	1 ½ Hrs.	40 U + 10 I
DSC 301	Human Resource Management	5	5	3 Hrs.	80 U + 20 I
DSC 302	Information Technology for Business	4 T+1 P	5	3 Hrs.	60 U + 20 P + 20 I
DSC 303	Financial Management	5	5	3 Hrs.	80 U + 20 I
	Total Semester Credits → 24/25		25		

II YEAR II SEMESTER

<i>Course Code</i>	<i>Course Title</i>	<i>HPW</i>	<i>Credits</i>	<i>Exam Hrs.</i>	<i>Marks</i>
ELS 4	English (First Language) - 4	3	3		
MIL 4	MIL - 4	3	3		
SEC 3	a) Business Correspondence and Communication b) Personality Development - II	2	2	1 ½ Hrs.	40 U + 10 I
SEC 4	a) Start Up Management b) Business Intelligence & Data Visualization	2	2	1 ½ Hrs.	40 U + 10 I
DSC 401	Business Law and Ethics	5	5	3 Hrs.	80 U + 20 I
DSC 402	Market Research	5	5	3 Hrs.	80 U + 20 I
DSC 403	Management Science	5	5	3 Hrs.	80 U + 20 I
	Total Semester Credits	25	25		

III YEAR I SEMESTER

<i>Course Code</i>	<i>Course Title</i>	<i>HPW</i>	<i>Credits</i>	<i>Exam Hrs.</i>	<i>Marks</i>
ELS 5	English (First Language) - 5	3	3		
MIL 5	MIL – 5	3	3		
GE -1	Mobile Commerce	4	4	3 Hrs.	60 U + 20 I
DSE 501	a. Financial Markets and Services (F) b. Brand Management (M) c. Organization Development (HR)	5	5	3 Hrs.	80 U + 20 I
DSE 502	a. Analysis of Investment in Financial Assets (F) b. Retail Management (M) c. Performance Appraisal and Counseling(HR)	5	5	3 Hrs.	80 U + 20 I
DSE 503	a. Insurance Services (F) b. Customer Relationship Management (M) c. Compensation Management (HR)	5	5	3 Hrs.	80 U + 20 I
	Total Semester Credits	24/25	25		

III YEAR II SEMESTER

<i>Course Code</i>	<i>Course Title</i>	<i>HPW</i>	<i>Credits</i>	<i>Exam Hrs.</i>	<i>Marks</i>
ELS 6	English (First Language) – 6	3	3		
MIL 6	MIL – 6	3	3		
GE -2	Business Analytics	4	3	4 Hrs.	60 U + 20 I
DSE 601	a. Banking (F) b. Buyer Behaviour (M) c. Leadership and Change Management (HR)	5	5	3 Hrs.	80 U + 20 I
DSE 602	a. Risk Analysis And Management(F) b. Advertising and Sales Promotion (M) c. Talent and Knowledge Management (HR)	5	5	3 Hrs.	80 U + 20 I
DSE 603	a. International Finance (F) b. Rural Marketing (M) c. Employees Relations (HR)	5	5	3 Hrs.	80 U + 20 I
DSE 604	Project Report & Viva-Voce	4	4	Viva	Grade
	Total Semester Credits	29	29		
	Total All Semester Credits → 148/150		150		

ELS: English Language Skill; **SLS:** Second Language Skill; **AECC:** 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; **F:** Finance; **M:** Marketing; **HR:** Human Resource Management.

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.	MIL	6	4/3	20
3.	AECC	2	2	4
4.	SEC	4	2	8
5.	GE	2	4	8
6.	Project Report & Viva-voce	1	4	4
7.	DSC	12	5	60
8.	DSE	6	5	30
	Total	39		154
	Management	21		102
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)	

Note :

- 1) IT lab will be evaluated through a practical exam.
- 2) At the end of third year there will be a comprehensive viva-voce on subjects & project undertaken during six semester and evaluation of projectreport.
- 3) Grade (A/B/CD) is awarded to both the project viva-voce and project report as per University Norms.

**KAKATIYA UNIVERSITY
WARANGAL - 506009**



Bachelor of Computer Application (BCA) Syllabus

Under the

**CHOICE BASED CREDIT SYSTEM
(With effect from 2016-17)**

**DEPARTMENT OF COMPUTER SCIENCE
University College, KU, Warangal-506009**

BCA I YEAR I SEMESTER

Code	Subject	Workload Per Week	Marks			Credit
			External	Internal	Total	
BCA11	General English- I	T(4)	70	30	100	4
BCA12	Fundamentals Of Information Technology	T (4)	70	30	100	4
BCA13	Programming with C	T (4)	70	30	100	4
BCA14	Discrete Mathematics	T (4)	70	30	100	4
BCA15	Management Information Systems	T (4)	70	30	100	4
BCA16	Fundamentals Of Information Technology Lab	L (4)	50	0	50	2
BCA17	Programming with C Lab	L (4)	50	0	50	2
					Total credits	24

BCA I YEAR II SEMESTER

Code	Subject	Workload Per Week	Marks			Credit
			External	Internal	Total	
BCA21	General English - II	T (4)	70	30	100	4
BCA22	Object Oriented Programming With C++	T (4)	70	30	100	4
BCA23	Probability And Statistics	T (4)	70	30	100	4
BCA24	Operating System	T (4)	70	30	100	4
BCA25	Computer Organization	T (4)	70	30	100	4
BCA26	Object Oriented Programming With C++ Lab	L (4)	50	0	50	2
BCA27	Operating system - lab	L (4)	50	0	50	2
					Total credits	24

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BCA II YEAR I SEMESTER

Code	Subject	Workload Per Week	Marks			Credit
			External	Internal	Total	
BCA31	Data Structures With C++	T (4)	70	30	100	4
BCA32	Operation Research	T (4)	70	30	100	4
BCA33	Web Programming	T (4)	70	30	100	4
BCA34	Software Engineering	T (4)	70	30	100	4
BCA35	Computer Networks	T (4)	70	30	100	4
BCA36	Data Structures - Lab	L (4)	50	0	50	2
BCA37	Web Programming - Lab	L (4)	50	0	50	2
					Total credits	24

BCA II YEAR II SEMESTER

Code	Subject	Workload Per Week	Marks			Credit
			External	Internal	Total	
BCA41	Design And Analysis Of Algorithms	T (4)	70	30	100	4
BCA42	Database Management Systems	T (4)	70	30	100	4
BCA43	Java Programming	T (4)	70	30	100	4
BCA44	System Approach To Management	T (4)	70	30	100	4
BCA45	Computer Graphics	T (4)	70	30	100	4
BCA46	Database Management Systems - Lab	L (4)	50	0	50	2
BCA47	Java Programming - Lab	L (4)	50	0	50	2
					Total credits	24



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BCA III YEAR I SEMESTER

Code	Subject	Workload Per Week	Marks			Credit
			External	Internal	Total	
BCA51	Multimedia Systems And Applications	T (4)	70	30	100	4
BCA52	Object Oriented Design in UML	T (4)	70	30	100	4
BCA53	Visual Programming	T (4)	70	30	100	4
BCA54	E-Commerce Technologies	T (4)	70	30	100	4
BCA55	Cryptography and Network Security	T (4)	70	30	100	4
BCA56	Multimedia Systems And Applications- lab	L (4)	50	0	50	2
BCA57	Visual Programming- Lab	L (4)	50	0	50	2
					Total credits	24

BCA III YEAR II SEMESTER

Code	Subject	Workload Per Week	Marks			Credit
			External	Internal	Total	
BCA61	Elective A1/B1/C1	T(4)	70	30	100	4
	A1 Artificial Intelligence					
	B1 Theory of Computation					
	C1 Digital Image Processing					
BCA62	Elective A2/B2/C2	T(4)	70	30	100	4
	A2 Data mining					
	B2 Android Programming					
	C2 Unix programming					
BCA63	Major project (including Seminars)		300	100	400	16
					Total credits	24



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BCA I YEAR I SEMESTER

Code	Subject	Workload Per Week	Marks			Credit
			External	Internal	Total	
BCA11	General English- I	T(4)	70	30	100	4
BCA12	Fundamentals Of Information Technology	T (4)	70	30	100	4
BCA13	Programming with C .	T (4)	70	30	100	4
BCA14	Discrete Mathematics	T (4)	70	30	100	4
BCA15	Management Information Systems	T (4)	70	30	100	4
BCA16	Fundamentals Of Information Technology Lab	L (4)	50	0	50	2
BCA17	Programming with C Lab	L (4)	50	0	50	2
					Total credits	24



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GENERAL ENGLISH I

LESSON ONE (SHORT FICTION)	TEXT	OLD MAN AT THE BRIDGE by Ernest Hemmingway
	PRONUNCIATION	CONSONANTAL SOUNDS
	GRAMMAR	ARTICLES
	VOCABULARY	SYNONYMS
	SPELLING	PICK OUT THE WRONGLY- SPELT WORDS
	CONVERSATIONS	ICE-BREAKING
	READING PASSAGE	RUDRAMA DEVI
	LIFE SKILLS	SELF-AWARENESS
LESSON TWO (PROSE)	TEXT	INDIA AND DEMOCRACY by Dr. B.R. AMBEDKAR
	PRONUNCIATION	VOWEL SOUNDS:
	GRAMMAR	PREPOSITIONS
	VOCABULARY	ANTONYMS
	SPELLING	USE OF 'UN' OR 'DIS'
	CONVERSATIONS	INTRODUCING
	READING PASSAGE	MEDARAM JATARA
	LIFE SKILLS	EMPATHY
LESSON THREE (POETRY)	TEXT	THE SCRIBE by WALTER DE LA MARE
	PRONUNCIATION	VOWEL SOUNDS: DIPHTHONGS
	GRAMMAR	TENSES
	VOCABULARY	HOMOPHONES & HOMONYMS
	SPELLING	USE OF 'TION' OR 'SION'
	CONVERSATIONS	DESCRIBING A PERSON/PLACE/EVENT
	READING PASSAGE	KALOJI
	LIFE SKILLS	CRITICAL THINKING & CREATIVE
LESSON FOUR (DRAMA)	TEXT	THE NEVER-NEVER NEST by CEDRIC MOUNT
	PRONUNCIATION	PLOSIVES
	GRAMMAR	FRAMING QUESTIONS
	VOCABULARY	ONE-WORD SUBSTITUTES
	SPELLING	USE OF 'MENT'
	CONVERSATIONS	GIVING DIRECTIONS
	READING PASSAGE	KUNTALA WATERFALL
	LIFE SKILLS	DECISION-MAKING SKILL




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KAKATIYA UNIVERSITY, WARANGAL - 506 009
B.Sc. PROGRAMME
Under CBCS System
Scheme wef A.Y: 2019-20

FIRST YEAR

SEMESTER - I

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS101	AECC-1	Environmental Science	2	2	10	40	-	50
BS102	FL-1A	English	4	4	20	80	-	100
BS103	SL-1A	Second Language	4	4	20	80	-	100
BS104	DSC-1A	Optional - I	4	4	20	80	25	125
		Optional – I Lab	1	3				
BS105	DSC-2A	Optional– II	4	4	20	80	25	125
		Optional – II LAB	1	3				
BS106	DSC-3A	Optional – III	4	4	20	80	25	125
		Optional – III LAB	1	3				
		TOTAL:	25	-	110	440	75	625

SEMESTER – II

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS201	AECC-2	Basic Computer Skills (Taught by: Computer Science)	2	2	10	40	-	50
BS202	FL-2B	English	4	4	20	80	-	100
BS203	SL-2B	Second Language	4	4	20	80	-	100
BS204	DSC-1B	Optional - I	4	4	20	80	25	125
		Optional – I Lab	1	3				
BS205	DSC-2B	Optional – II	4	4	20	80	25	125
		Optional – II Lab	1	3				
BS206	DSC-3B	Optional – III	4	4	20	80	25	125
		Optional – III LAB	1	3				
		TOTAL :	25	-	110	440	75	625

KAKATIYA UNIVERSITY, WARANGAL - 506 009

**B.Sc. PROGRAMME
Under CBCS System
Scheme wef A.Y: 2020-21**

SECOND YEAR

SEMESTER - III

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS 301	SEC-1	Fundamentals of Nano Technology (Taught by : Physics)	2	2	10	40	-	50
BS 302	SEC-2	Bio Statistics (Taught by : Statistics)	2	2	10	40	-	50
BS 303	FL-3 A	English	3	3	15	60	-	75
BS 304	SL-3 B	Second Language	3	3	15	60	-	75
BS 305	DSC-1C	Optional - I	4	4	20	80	25	125
		Optional – I Lab	1	3				
BS 306	DSC-2C	Optional – II	4	4	20	80	25	125
		Optional– II Lab	1	3				
BS 307	DSC-3C	Optional – III	4	4	20	80	25	125
		Optional – III Lab	1	3				
TOTAL:			25	-	110	440	75	625

SEMESTER - IV

Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS401	SEC-3	Fundamentals of Python (Taught by: Computer Science)	2	2	10	40	-	50
BS402	SEC-4	Remedial Methods of Pollution – Drinking Water & Soil Fertility (Taught by: Chemistry)	2	2	10	40	-	50
BS403	FL-4 A	English	3	3	15	60	-	75
BS404	SL-4 B	Second Language	3	3	15	60	-	75
BS405	DSC-1D	Optional - I	4	4	20	80	25	125
		Optional – I Lab	1	3				
BS406	DSC-2D	Optional – II	4	4	20	80	25	125
		Optional – II Lab	1	3				
BS407	DSC-3D	Optional – III	4	4	20	80	25	125
		Optional– III Lab	1	3				
TOTAL :			25	-	110	440	75	625

KAKATIYA UNIVERSITY, WARANGAL - 506 009
B.Sc. PROGRAMME
Under CBCS System
Scheme wef A.Y: 2021-2022

THIRD YEAR

SEMESTER - V

Code	Course Type	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS 501	FL-5 A	English	3	3	15	60	-	75
BS 502	SL-5 B	Second Language	3	3	15	60	-	75
BS 503	G.E.	Water Resources Management (Taught by: Any Science Dept.)	4	4	20	80	-	100
BS 504	DSE-1E	Optional – I	4	4	20	80	25	125
		Optional – I Lab	1	3				
BS 505	DSE-2E	Optional – II	4	4	20	80	25	125
		Optional – II Lab	1	3				
BS506	DSE-3E	Optional – III	4	4	20	80	25	125
		Optional – III Lab	1	3				
TOTAL:			25	-	110	440	75	625

SEMESTER - VI

Code	Course Type	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internal Exam	End Exam	Lab	
BS 601	FL-6A	English	3	3	15	60	-	75
BS 602	SL-6 B	Second Language	3	3	15	60	-	75
BS 603	P.W / Optional	Optional: Public Health & Hygiene (Taught by: Zoology / Botany / Biotechnology / Micro Biology)	4	4	20	80	-	100
BS 604	DSE-1F	Optional - I	4	4	20	80	25	125
		Optional – I Lab	1	3				
BS 605	DSE-2F	Optional – II	4	4	20	80	25	125
		Optional – II Lab	1	3				
BS 606	DSE-3F	Optional – III	4	4	20	80	25	125
		Optional – III Lab	1	3				
TOTAL:			25	-	110	440	75	625

NSS/NCC/Sports/Extra Curricular	Credits under Non – CGPA 6	Up to 6 (2 in each Year)	Up to 6 (2 in each Year)	Up to 6 (2 in each Year)
Summer internship	4	Up to 4 (2 in each, after I & II years	Up to 4 (2 in each, after I & II years	Up to 4 (2 in each, after I & II years

F.L : First Language;

S.L : Second Language;

A.E.C.C: Ability Enhancement Compulsory Course;

S.E.C : Skill Enhancement Course;

D.S.C : Discipline Specific Course;

D.S.E : Discipline Specific Effective;

G.E : Generic Elective;

P.W : Project Work;

KAKATIYA UNIVERSITY
M.Sc. Microbiology
Syllabus contents and Scheme of Examination
For the candidates admitted from the academic Year 2014-2015

Semester/ Paper Code	Title of Paper	Instru. Hours	Duration of Exam	Internal Marks	External Marks	Min Marks*	Total	Credits
Semester I								
MBT 101	Principles of Microbiology	4	3	20	80	32	100	4
MBT 102	Bacteriology & Virology	4	3	20	80	32	100	4
MBT 103	Biological Chemistry	4	3	20	80	32	100	4
MBT 104	Cell biology & Enzymology	4	3	20	80	32	100	4
MBP 101	Principles of Microbiology & Bacteriology & Virology	9	4	-	100	40	100	4
MBP 102	Biological Chemistry & Cell biology & ymology	9	4	-	100	40	100	4
	Seminar/Tutorials	1		25				1
Semester II								
MBT 201	Microbial Physiology	4	3	20	80	32	100	4
MBT 202	Molecular Biology	4	3	20	80	32	100	4
MBT 203	Advanced Immunology	4	3	20	80	32	100	4
MBT 204	Biophysical Techniques & Instrumentation	4	3	20	80	32	100	4
MBP 201	Microbial Physiology & Molecular Biology	9	4	-	100	40	100	4
MBP 202	Adv. Immunology & Biophy. Techn. & Instrument.	9	4	-	100	40	100	4
	Seminar/Tutorials	2	1	25	-	-	-	1
CBCS Paper		4	3	20	80	-	100	4

MBT = Microbiology Theory; MBP = Microbiology practical

* Minimum marks required for pass out of University theory examination (80 Marks)

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KAKATIYA UNIVERSITY
M.Sc. Microbiology
Syllabus contents and Scheme of Examination
For the candidates admitted from the academic Year 2014-2015

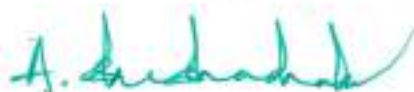
Semester/ Paper Code	Title of Paper	Instru. Hours	Duration of Exam	Internal Marks	External Marks	Min Marks ^a	Total	Credits
Semester III								
MBT 301	Microbial Genetics & Genetic Engineering	4	3	20	80	32	100	4
MBT 302	Bioinformatics & Computational Methods	4	3	20	80	32	100	4
MBT 303	Bioprocess Technology	4	3	20	80	32	100	4
MBT 304	Agricultural Microbiology	4	3	20	80	32	100	4
MBP 301	Micro. Genetics & Genetic Engi. & Bioin. & Comp. Methods	9	4	--	100	40	100	4
MBP 302	Bioprocess Technology & Agri. Microbiology	9	4	--	100	40	100	4
	Seminar/Tutorials	1	1	25	-	-	-	1
Semester IV								
MBT 401	Environmental Microbiology	4	3	20	80	32	100	4
MBT 402	Medical Microbiology	4	3	20	80	32	100	4
MBT 403	Microbial Technology	4	3	20	80	32	100	4
MBT 404	Nanotechnology & Regulations of Microbial Products	4	3	20	80	32	100	4
MBP 401	Envi. & Medi. Microbiology Microbial Technology & Nanotech. & Reg. of Micro. Products	9	4	--	100	40	100	4
Internal Project	Internal Project				75+25		100	4
	Seminar/Tutorials	1	1	25	-	-	-	1
CBCS Paper		4	3	20	80	32	100	4
							2600	108

MBT = Microbiology Theory; MBP = Microbiology practical

* Minimum marks required for pass out of University theory examination (80 Marks)

CBCS Papers offered by the Department of Microbiology

1. Agricultural and Environmental Microbiology
2. Medical and Food & Nutritional Microbiology


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**M.Sc. Microbiology
Semester Pattern
Department Microbiology
Kakatiya University**

With effective from 2014-2015

The syllabus is divided into four semesters. The first three semesters carry four theory papers and two practical papers and seminar. In the fourth semester four theory papers and one practical paper included. An Internal Project work is required to be completed in the fourth semester. Apart from the project, the student will also have to present a seminar in the fourth semester. Each theory paper is divided into four units and all the units carry equal weightage. All theory and practical papers are compulsory. Each theory and practical papers carries 100 marks. 100 marks allotted to the project work to be presented at the end of the fourth semester. Each seminar is allotted with 25 marks.

1. **Number of theory and practical periods:** The syllabus is based on 18 theory and 16 practical periods per week. Candidates are required to pass separately in theory and practical examinations.
2. **Seminar:** In all the semesters every student has to give at least one seminar and submit a written summary of the same.
3. **Project work:** The student will undergo training in the laboratory of faculty member allotted to him/her at the end of II semester. The reports of project work will be submitted at the end of the IV semester. The project work (Dissertation work) will be evaluated by the External and Internal (Chairperson, BOS, Microbiology) examiner at the end of fourth semester. 100 marks are allotted to the Project work. The Project work is compulsory.
4. **Distribution of Theory/Practical/Seminar/Project (Dissertation) marks:**

**M.Sc. Microbiology
Semester - I**

Paper Code	Paper Title	Internal Marks	Examination		CREDITS
			Maximum Marks	Pass Marks	
MBT 101	Principles of Microbiology	20	80	32	4
MBT 102	Bacteriology & Virology	20	80	32	4
MBT 103	Biological Chemistry	20	80	32	4
MBT 104	Cell biology & Enzymology	20	80	32	4
MBP 101	Principles of Microbiology & Bacteriology & Virology		100	40	4
MBP 102	Biological Chemistry & Cell biology & zymology		100	40	4
	Seminar/Tutorials		25	--	

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**M.Sc. Microbiology
Semester – II**

Paper Code	Paper Title	Internal Marks	Examination		CREDITS
			Maximum Marks	Pass Marks	
MBT 201	Microbial Physiology	20	80	32	4
MBT 202	Molecular Biology	20	80	32	4
MBT 203	Advanced Immunology	20	80	32	4
MBT 204	Biophysical Techniques & Instrumentation	20	80	32	4
MBP 201	Microbial Physiology & Molecular Biology	--	100	40	4
MBP 202	Advanced Immunology & Biophysical Techniques & Instrumentation	--	100	40	4
	Seminar/Tutorials	--	25	--	1
CBCS Paper		20	80	32	4

**M.Sc. Microbiology
Semester – III**

Paper Code	Paper Title	Internal Marks	Examination		CREDITS
			Maximum Marks	Pass Marks	
MBT 301	Microbial Genetics & Genetic Engineering	20	80	32	4
MBT 302	Bioinformatics & Computational Methods	20	80	32	4
MBT 303	Bioprocess Technology	20	80	32	4
MBT 304	Agricultural Microbiology	20	80	32	4
MBP 301	Micro. Genetics & Genetic Engineering & Bioinformatics & Computational Methods	--	100	40	4
MBP 302	Bioprocess Technology & Agricultural Microbiology	--	100	40	4
	Seminar/Tutorials	--	25	--	1


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**M.Sc. Microbiology
Semester – IV**

Paper Code	Paper Title	Internal Marks	Examination		CREDITS
			Maximum Marks	Pass Marks	
MBT 401	Environmental Microbiology	20	80	32	4
MBT 402	Medical Microbiology	20	80	32	4
MBT 403	Microbial Technology	20	80	32	4
MBT 404	Nanotechnology & Regulations of Microbial Products	20	80	32	4
MBP 401	Environmental Microbiology & Medical Microbiology Microbial Technology & Nanotechnology & Regulation of Microbial Products	--	100	40	4
Internal Project	Internal Project	--	100	40	4
	Seminar/Tutorials	--	25	--	1
CBCS Paper		20	80	32	4

Theory Papers	-	16	(16x4)	64	Credits
Practical Papers	-	07	(07x4)	28	Credits
Seminars	-	04	(04x1)	04	Credits
Internal Project	-	01	(01x4)	04	Credits
CBCS Papers	-	02	(02x4)	08	Credits

Total Credits

108 Credits



A. Subudhakar

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KAKATIYA UNIVERSITY
M.A/M.Sc (MATHEMATICS)
Semester I/II/III/IV
Scheme of Instruction and Examination
(With effect from 2016-2018 batch)

SEMESTER-I

Paper	Code of The paper	Title of The paper	No. of Periods (1 hr duration) per week	Internal Assessment Marks	Semester End Exam Marks		
					Theory	Practical	Total
I	MICP1	Algebra-I	6	20	80	-	100
II	MICP2	Real Analysis-I	6	20	80	-	100
III	MICP3	Ordinary differential equations	6	20	80	-	100
IV	MICP4	Discrete Mathematics	6	20	80	-	100
V	MICP5	Fundamentals of Statistics	6	20	80	-	100

SEMESTER-II

Paper	Code of The paper	Title of The paper	No. of Periods (1 hr duration) per week	Internal Assessment Marks	Semester End Exam Marks		
					Theory	Practical	Total
I	M2CP1	Algebra-II	6	20	80	-	100
II	M2CP2	Real Analysis-II	6	20	80	-	100
III	M2CP3	Topology	6	20	80	-	100
IV	M2CP4	Complex Analysis	6	20	80	-	100
V	M2CP5	Special Functions	6	20	80	-	100



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Semester-III

Paper	Code of The paper	Title of The paper	No. of Periods (1 hr duration) per week	Internal Assessment Marks	Semester End Exam Marks		
					Theory	Practical	Total
I	M3CP1	Measure and Integration	6	20	80	-	100
II	M3CP2	Functional Analysis	6	20	80	-	100
III	M3CP3	Partial Differential Equations	6	20	80	-	100
IV	M3OP4(1)	Operations Research - I ✓	6	20	80	-	100
	M3OP4(2)	Numerical Analysis - I	6	20	80	-	100
	M3OP4(3)	Automata and Languages	6	20	80	-	100
	M3OP4(4)	Advanced Complex Analysis	6	20	80	-	100
	M3OP4(5)	Commutative Rings and Modules	6	20	80	-	100
	M3OP4(6)	Mechanics of Solids	6	20	80	-	100
V	M3OP5(1)	Computer fundamentals and Programming in C ✓	Th .4+Pr.3	20	60	20	100
	M3OP5(2)	Office automation and C-Language	Th .4+Pr.3	20	60	20	100
	M3OP5(3)	Numerical Analysis using C	Th .4+Pr.3	20	60	20	100



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Semester-IV

Paper	Code of The paper	Title of The paper	No. of Periods (1 hr duration) per week	Internal Assessment Marks	Semester End Exam Marks		
					Theory	Practical	Total
I	M4CP1	Advanced Linear Algebra	6	20	80	-	100
II	M4CP2	Graph Theory	6	20	80	-	100
III	M4CP3	Integral Equations and Transforms	6	20	80	-	100
IV	M4OP4(1)	Near Rings	6	20	80	-	100
	M4OP4(2)	Theory of ordinary differential equations ✓	6	20	80	-	100
	M4OP4(3)	Operations Research-II	6	20	80	-	100
	M4OP4(4)	Numerical Analysis - II	6	20	80	-	100
	M4OP4(5)	Automata and Machines	6	20	80	-	100
	M4OP4(6)	Theory of Reliability	6	20	80	-	100
V	M4OP5(1)	Programming Methodology	Th .4+Pr.3	20	60	20	100
	M4OP5(2)	Programming in C++ ✓	Th .4+Pr.3	20	60	20	100
	M4OP5(3)	Applied Stochastic process with MATLAB	Th .4+Pr.3	20	60	20	100



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KAKATIYA UNIVERSITY WARANGAL
DEPARTMENT OF COMPUTER SCIENCE

COURSE STRUCTURE FOR M.SC. (CSC) WITH EFFECT FROM 2013-
14

M.SC. I YEAR I SEMESTER:

Paper No	Paper Title/Subject	Workload Per Week (Theory : Lab)	Marks		
			Internal	External	Total
MSCCS111	DISCRETE MATHEMATICS	T(04)	20	80	100
MSCCS112	COMPUTER ORGANIZATION	T(04)	20	80	100
MSCCS113	OOPS WITH JAVA	T(04)	20	80	100
MSCCS114	OPERATING SYSTEMS	T(04)	20	80	100
MSCCS115	COMPUTER NETWORKS	T(04)	20	80	100
MSCCS116	OOPS LABORATORY	L(04)	--	50	50
MSCCS117	COMPUTER NETWORK S LABORATORY	L(04)	--	50	50
MSCCS118	OPERATING SYSTEM LABORATORY	L(04)	--	50	50
					650

A. Acharya

Kishanpur, Hanamkonda
Jagdevi Degree & P.G. College
Kishanpur, Hanamkonda

MSCCS111	DISCRETE MATHEMATICS		DM
WORK LOAD: 4 PPW	INTERNAL MARKS: 20	EXTERNAL MARKS: 80	

UNIT - I

FUNDAMENTALS: Sets, Relations and functions, Fundamental of logic, Logical inferences, First order logic, Quantified propositions, Mathematical induction

ELEMENTARY COMBINATORICS: Combinations and Permutations, Enumeration- with Repetitions, with constrained repetitions, The Principle of Inclusion-Exclusion.(Chapters 1-2)

UNIT - II

RECURRENCE RELATIONS: Generating functions, Coefficients of Generating functions, Recurrence Relations, Inhomogeneous Recurrence Relations (Chapter-3)

UNIT - III

RELATIONS AND DIAGRAM: Relations and diagrams, Binary relations, Equivalence relations, Ordering relations, Lattices, Paths and Closures, Directed graphs, Adjacency matrices-Applications, Sorting and Searching (Chapter - 4)

UNIT - IV


GRAPHS: Graphs, Isomorphism, Trees, Spanning trees, Binary trees, Planar graphs, Euler's Circuits, Hamiltonian graphs, Chromatic numbers, Four-color problem, Network flows (Chapter 5)

TEXT-BOOK:

1. DISCRETE MATHEMATICS FOR COMPUTER SCIENTISTS, BY - J L MOTT, A KANDEL AND T PBAKER

REFERENCE BOOKS:

1. DISCRETE MATHEMATICAL STRUCTURE - (TMH) BY - TREMBLEY AND MANOHAR
2. DISCRETE MATHEMATICS WITH ALGORITHMS - (JOHN WILEY) BY - M.O. ALBERTSON AND J.P.HUTCHINSON
3. ELEMENTS OF DISCRETE MATHEMATICS-(TMH, SECOND EDITION) BY - C.L.LIU
4. DISCRETE MATHEMATICS - (PHI, THIRD EDITION) BY - BURNORD KOLMAN
5. DISCRETE MATHEMATICS BY KH ROSSEN (TMH)
6. DISCRETE MATHEMATICS BY S LIPSCHUTZ AND M. LIPSON SCHAUM'S SERIES (TMH)
7. DISCRETE MATHEMATICS FOR COMPUTER SCIENCE BY GARRY HAGGARD, J.



Principal

Arvi Degree & P.G. College

SCHILPF AND S WHITE SIDES (THOMSON PRESS)

8. DISCRETE & COMBINATORIAL MATHEMATICS BY RALPH P GRIMALDI (PEARSON EDUCATION)

9. DISCRETE MATHEMATICAL STRUCTURES BY DS MALLIK & M K SEN (THOMSON PRESS)

MSCCS112	COMPUTER ORGANIZATION	CO
WORK LOAD: 4 PPW	INTERNAL MARKS: 20	EXTERNAL MARKS: 80

UNIT - I

BASIC STRUCTURE OF COMPUTER HARDWARE AND SOFTWARE: Functional units, Basic operational concepts, Bus structures, Software, Performance, Distributed Computing.

LOGIC CIRCUITS: Basic Logic Functions, Synthesis of Logic Functions Using AND, OR, and NOT Gates, Minimization of Logic Expression, Synthesis with NAND and NOR Gates, Practical Implementation of Logic Gates, Flip-Flops, Registers and Shift Registers, Counters, Decoders, Multiplexers, Sequential Circuits. (Chapter 1, A.1 to A.13)

UNIT - II

ADDRESSING METHODS: Basic Concepts, Memory Locations, Main Memory Operations, Addressing Modes, Assembly Language, Basic I/O operations, Stacks and Queues, Subroutines. **PROCESSING UNIT:** Some Fundamental Concepts, Execution of a Complete Instruction, Hardwired Control, Performance Considerations, Micro Programmed Control, Signed Addition and Subtraction, Arithmetic and Branching Conditions, Multiplication of Positive Numbers, Signed-Operand, Integer Division, Floating-Point Numbers. (Chapter 2.1 to 2.83, 6.4 to 6.10)

UNIT - III

INPUT-OUTPUT ORGANIZATION: Accessing I/O Devices, Interrupts, Processor Examples, Direct Memory Access, I/O Hardware, Standard I/O Interfaces, The Motorola 680X0 Family, The Intel 80X86 Family, The Power PC Family, The Alpha AXP Family, Architectural and Performance Comparisons, A Stack Processor. (Chapter 4, 8.1 to 8.6)

UNIT - IV

MEMORY: Semiconductor RAM memories, Read-Only Memories, Cache Memories, Performance Considerations, Virtual Memories, Memory Management Requirements.

INTRODUCTION TO COMPUTER PERIPHERALS: I/O Devices, On-Line Storage. (Chapter 5, 9.1, 9.2)

Exception Handling. Applets and Web Programming: Applets and HTML - Security Issues - Applets and Applications -Obtaining Resources Using an Applet - Combining Applications and Applets. (Chapters 7, 13, 18, 20, 21)

TEXT BOOK:

1. UNDERSTANDING OBJECT-ORIENTED PROGRAMMING WITH JAVA BY – TIMOTHY BUDD (PEARSON)

REFERENCE BOOKS:

1. THE COMPLETE REFERENCE JAVA 2 (Fourth Edition) BY - PATRICK NAUGHTON & HERBETSCHILDT (TMH)
2. PROGRAMMING JAVA - DECKER&HIRSH FIELD VIKAS PUBLISKING(2001) (THOMSON LEARNING) (SECOND EDITON)
3. INTRODUCTION TO JAVA PROGRAMMING - Y.DANIEL LIANG PHI (2002)
4. OBJECT ORIENTED PROGRAMMING THROUGH JAVA 2 BY - THAMUS WU (Mc.GrawHill)
5. JAVA 2 - DIETEL & DIETEL (PEARSON EDUCATION)
6. INTRODUCTION TO JAVA - BALA GURU SWAMY
7. INTRODUCTION TO PROGRAMMIND & OOD USING JAVA - JAINO NINE & FA HOSCH (JOHNWILEY)
8. STARTING OUT WITH JAVA - JONY GADDIS (DREAM TECH PRESS)
9. JAVA PROGRAMMING - SCHAUM'S SERIES
10. OBJECT ORIENTED APPLICATION DEVELOPMENT USING JAVA - ER DOXE ETC. (THOMSONPRESS)
11. THINKING IN JAVA -BY - BRUCE ECKEL (PEARSON)
12. PROGRAMMING & PROBLEM SOLVING WITH JAVA - JM SLACK (THOMSON)
13. COMPUTING CONCEPTS WITH JAVA2 ESSENTIALS - CAY HORSTMANN (JOHNWILEY)
14. JAVA PROGRAMMING ADVANCED TOPICS - J WIGGLESWORTH, P LUMBY MSCCS114

MSCCS114	OPERATING SYSTEMS		OS
WORK LOAD: 4 PPW	INTERNAL MARKS: 20	EXTERNAL MARKS: 80	

UNIT - I

Computer System Overview - The Memory Hierarchy - I/O Communication Techniques. Operating System Overview - The Evolution of Operating Systems - Microsoft Windows Overview - Modern UNIX Systems - Linux. Process Description and Control - Process States - Process Description - Process Control - UNIX SVR 4 Process management. Threads, SMP, and Micro kernels - Processes and Threads - symmetric Multiprocessing - Micro Kernels. (Chapters 1 to 4)

UNIT - II

CONCURRENCY: Mutual Exclusion and Synchronization - Principles of Concurrency - Mutual Exclusion : Hardware Support - Semaphores - Monitors - Message Passing - Readers / Writers problem. Concurrency: Deadlock and Starvation - Principles of Deadlock - Deadlock Prevention - Deadlock Avoidance - Deadlock Detection - Dining Philosophers Problem - UNIX Concurrency Mechanisms. (Chapters 5, 6)

UNIT - III

Memory Management - memory management Requirements - Memory Partitioning- Paging - Segmentation. Virtual Memory - Hardware and Control Structures - Operating System Software. Uniprocessor Scheduling - Types of Processor Scheduling - Scheduling Algorithms -

**SYLLABUS FOR
M.Sc. ZOOLOGY**
(With effect from the academic year 2016-17 Under CBCS system)



Prof. T. RAVINDER REDDY
Chairman
Board of Studies

**DEPARTMENT OF ZOOLOGY
KAKATIYA UNIVERSITY
WARANGAL 506 009
TELANGANA STATE**

**SYLLABUS FOR
M.Sc. ZOOLOGY**

Paper	Title of the paper
SEMESTER I	
I	Biosystematics, Structure & Function of Invertebrates
II	Tools and Techniques in Biology
III	Animal Physiology and Ethology
IV	Genetics and Evolution
SEMESTER II	
I	Structure and Function of Vertebrates
II	Environmental Biology
III	Biochemistry
IV	Biostatistics and Computer Applications
SEMESTER III	
I	Molecular biology
II	Immunology
III	Elective: Parasitology OR Clinical Science
IV	Elective: Endocrinology & Reproductive Biology OR Bioinformatics
SEMESTER IV	
I	Cell Biology
II	Developmental Biology
III	Elective: Fisheries and Aquaculture OR Neurophysiology
IV	Elective: Animal Biotechnology OR Entomology



Prof. T. RAVINDER REDDY

Chairman

Board of Studies

Department of Zoology

KARATIYA UNIVERSITY, WGL-506 009 (T.S)



Principal

Magdevi Degree & P.G. College
Kishanpura, Hanumakonda.

KAKATIYA UNIVERSITY, DEPARTMENT OF ZOOLOGY
(With effect from the academic year 2016-17 Under CBCS system)

S.No	Paper Code	Title of the Paper	Instruction Hrs/Week	No. of Credits	Marks		Total Marks
					External	Internal	
SEMESTER-I							
1	101	Biosystematics, Structure & Function Of Invertebrates	4	4	80	20	100
2	102	Tools and Techniques in Biology	4	4	80	20	100
3	103	Animal Physiology and Ethology	4	4	80	20	100
4	104	Genetics and Evolution	4	4	80	20	100
5	105	Practical-I	4	4	100	--	100
6	106	Practical-II	4	4	100	--	100
7	107	Seminar	--	1	--	25	25
		Total		25	520	105	625
SEMESTER-II							
1	201	Structure and Function of Vertebrates	4	4	80	20	100
2	202	Environmental Biology	4	4	80	20	100
3	203	Biochemistry	4	4	80	20	100
4	204	Biostatistics and Computer Applications	4	4	80	20	100
5	205	Practical-I	4	4	100	--	100
6	206	Practical-II	4	4	100	--	100
7	207	Seminar	--	1	--	25	25
		Total		25	520	105	625

A. Acharya

S.No	Paper Code	Title of the Paper	Instruction Hrs/Week	No. of Credits	Marks		Total Marks	
					External	Internal		
SEMESTER-III								
1	301	Molecular Biology	4	4	80	20	100	
2	302	Immunology	4	4	80	20	100	
3	303	Subject Elective - I Parasitology ✓ (OR) Subject Elective - II Clinical Science	4	4	80	20	100	
4	304	Subject Elective - III Endocrinology & ✓ Reproductive Biology (OR) Subject Elective - IV Bioinformatics	4	4	80	20	100	
5	305	Practical - I	4	4	100	--	100	
6	306	Practical - II	4	4	100	--	100	
7	307	Seminar	--	1	--	25	25	
				Total	25	520	105	625
SEMESTER-IV								
1	401	Cell Biology	4	4	80	20	100	
2	402	Developmental Biology	4	4	80	20	100	
3	403	Subject Elective - I Fisheries And ✓ Aquaculture (OR) Subject Elective - II Neurophysiology	4	4	80	20	100	
4	404	Subject Elective - III Animal ✓ Biotechnology (OR) Subject Elective - IV Entomology	4	4	80	20	100	
5	305	Practical - I	4	4	100	--	100	
6	406	Practical - II	4	4	100	--	100	
7	407	Seminar	--	1	--	25	25	
				Total	25	520	105	625
GRAND TOTAL (Sem I+II+III+IV)					100	2080	420	2500

**SYLLABUS FOR
M.Sc. COURSE IN ZOOLOGY**
(With effect from the academic year 2021-22 Under CBCS system)



**DEPARTMENT OF ZOOLOGY
KAKATIYA UNIVERSITY
HANMAKONDA 506 009
TELANGANA STATE**

KAKATIYA UNIVERSITY, DEPARTMENT OF ZOOLOGY
(With effect from the academic year 2021-22 Under CBCS system)

S.No	Paper Code	Title of the Paper	Instruction Hrs/Week	No. of Credits	Marks		Total Marks
					External	Internal	
SEMESTER-I							
1	101	Biosystematics, Structure & Function Of Invertebrates	4	4	80	20	100
2	102	Tools and Techniques in Biology	4	4	80	20	100
3	103	Animal Physiology and Ethology	4	4	80	20	100
4	104	Genetics and Evolution	4	4	80	20	100
5	105	Practical-I	4	4	100	--	100
6	106	Practical-II	4	4	100	--	100
7	107	Seminar	--	1	--	25	25
		Total		25	520	105	625
SEMESTER-II							
1	201	Structure and Function of Vertebrates	4	4	80	20	100
2	202	Environmental Biology	4	4	80	20	100
3	203	Biochemistry	4	4	80	20	100
4	204	Biostatistics and Computer Applications	4	4	80	20	100
5	205	Practical-I	4	4	100	--	100
6	206	Practical-II	4	4	100	--	100
7	207	Seminar	--	1	--	25	25
		Total		25	520	105	625

S.No	Paper Code	Title of the Paper	Instruction Hrs/Week	No. of Credits	Marks		Total Marks
					External	Internal	
SEMESTER-III							
1	301	Molecular Biology	4	4	80	20	100
2	302	Immunology	4	4	80	20	100
3	303	Subject Elective - I Parasitology ✓ (OR) Subject Elective - II Clinical Science	4	4	80	20	100
4	304	Subject Elective - III Endocrinology & Reproductive ✓ Physiology (OR) Subject Elective - IV Bioinformatics	4	4	80	20	100
5	305	Practical - I	4	4	100	--	100
6	306	Practical - II	4	4	100	--	100
7	307	Seminar	--	1	--	25	25
Total				25	520	105	625
SEMESTER-IV							
1	401	Cell Biology	4	4	80	20	100
2	402	Developmental Biology	4	4	80	20	100
3	403	Subject Elective - I Fisheries And ✓ Aquaculture (OR) Subject Elective - II Neurophysiology	4	4	80	20	100
4	404	Subject Elective - III Animal ✓ Biotechnology (OR) Subject Elective - IV Entomology	4	4	80	20	100
5	305	Practical - I	4	4	100	--	100
6	406	Practical - II	4	4	100	--	100
7	407	Seminar	--	1	--	25	25
Total				25	520	105	625
GRAND TOTAL (Sem I+II+III+IV)				100	2080	420	2500

A. S. S. S. S. S.
Principal

MBA

KAKATIYA UNIVERSITY WARANGAL

RULES AND REGULATIONS GOVERNING MBA Course under CBCS with effect from the Academic Year 2016-2017

1. The Course

The duration of MBA programme is two academic years consisting of Four Semesters - two semesters in each year - each semester of 14-16 weeks duration.

Students who join MBA programme shall not take -up any employment either part-time or full-time during the University academic working hours. Students who are admitted to MBA course and who are subsequently found to be in employment during the University academic working hours anywhere in India will cease to be students of the course.

2. Admission

Candidates possessing a Bachelor Degree in any discipline (Excluding B.O.I. and B.F.A) with 50% aggregate marks (45% in case of reserved categories) and qualified in ICET exam are eligible for admission to MBA programme subject to the rules and regulations of the University from time to time.

3. Course Structure, Hours of instruction per week and Aggregate marks

The MBA programme offers in all 28 papers consisting of 22 core papers and 6 elective papers apart from **Viva-voce and project report**. In addition to one foundation course and two open electives. The details of semester-wise subjects, hours of instruction per week, credits per paper are given in Appendix - I.

MBA COURSE STRUCTURE

No	Code	Nature	No. of Papers	Semester	Credits
1	CORE	Core	16 @ 4 ppw	I(5)II(5)III(3) IV(3)	64
2	GE	Generic Electives	4@4ppw	III(2)IV(2)	16
3	OE	Inter Disciplinary (1+1 = 2)	2@ 4 ppw	III (1) and IV (1)	8
4	ELE	Electives (Discipline Centric)	6 @ 4ppw	III(3) IV(3)	24
5	VIVA	First Year End Viva			2
6		Project Report & Viva Voce	1	IV	4
Total			29		118

**MBA CBCS Course Structure w.e.f From 2016-17 as per the
Modifications Suggested by the PG BOS on 19-06-2017**

CBCS KU MBA – I Semester									
Sl.No	Course No	Title	Nature	Contact Hours	Credits	Internal		External	Total
						Tests	Seminar		
1	MB101	Management and Organization Theory	Core	4	4	20	10	70	100
2	MB102	Accounting for Managers	Core	4	4	20	10	70	100
3	MB103	Statistics for Managers	Core	4	4	20	10	70	100
4	MB104	Information Technology for Managers	Core	4	4	20	10	70	100
5	MB105	Marketing Management	Core	4	4	20	10	70	100
6	MB106	Generic-Elective – I 1. Business Environment – I(a) (Or) 2. Entrepreneurship Development – I (b)	Generic	4	4	20	10	70	100

7	MB107	Generic Elective – II 1. <u>Managerial Economics – II(a)</u> (Or) 2. <u>Communication Skills – II(b)</u>	Generic	4	4	20	10	70	100
		Total		28	28	140	70	490	700

MBA – II Semester

Sl.No	Course No	Title	Nature	Contact Hours	Credits	Internal		External
						Test	Seminar	
1	MB201	<u>Human Resource Management</u>	Core	4	4	20	10	70
2	MB202	<u>Financial Management</u>	Core	4	4	20	10	70
3	MB203	Management Accounting	Core	4	4	20	10	70
4	MB204	Operations Research	Core	4	4	20	10	70
5	MB205	<u>Business Research Methodology</u>	Core	4	4	20	10	70

6	MB206	Generic Elective – III ✓ 1. Business Ethics – III(a)(Or) 2. Retail Management – III(b)	Generic	4	4	20	10	70
7	MB207	Generic Elective – IV 1. Business Analytics using Excel – IV(a) (Or) ✓ 2. Customer Relationship Management – IV(b)	Generic	4	4	20	10	70
8	MB208	First Year End Viva	Grading		2			50
		Total		28	30	140	70	540

MBA – III Semester								
SLNo	Course No	Title	Nature	Contact Hours	Credits	Internal		External
						Test	Seminar	
1	MB301	Organization Behavior	Core	4	4	20	10	70
2	MB302	Strategic Management	Core	4	4	20	10	70
3	MB 303	Managerial Communication	Core	4	4	20	10	70

4	MB304	Interdisciplinary Courses a) c-Business Or b) Business Law	Open	4	4	20	10	70	
5	MB305 MB306 MB307	Discipline Specific Elective I One elective group from A/B/C/D groups consisting of 3 papers with 4 credits each (4 hours per week)	DSC	12	12	60	30	210	
				28	28	140	70	490	

MBA IV Semester

Sl.No	Course No	Title	Nature	Contact Hours	Credits	Internal		External
						Test	Seminar	
1	MB401	Operations Management	Core	4	4	20	10	70
2	MB402	International Business	Core	4	4	20	10	70

3	MB403	Creativity and Innovations	Core	4	4	20	10	70
4	MB404A	Project Report	Field Work	0	2			100
4	MB404B	Project Viva-voce	Grading	0	2			50
5	MB405	Inter Disciplinary Elective II a) Personal Finance (or) b) MIS	Open	4	4	20	10	70
6	MB406 MB407 MB408	Discipline Specific Electives (3M) One elective group from A/B/C/D groups consisting of 3 papers with 4 credits each (4 hours per week)	DSC	12	12	60	30	210
		Total		28	32	140	70	640

III Semester Elective Course Structure
Group-A: HUMAN RESOURCE MANAGEMENT

6	MB305A	Human Resource Development	4	4	20	10	70	100
7	MB306A	Labour Laws	4	4	20	10	70	100

8	MB307A	Organisation Development	4	4	20	10	70	100	
Group-B: MARKETING MANAGEMENT									
6	MB305B	Consumer Behaviour	4	4	20	10	70	100	
7	MB306B	Advertising & Sales Management	4	4	20	10	70	100	
8	MB307B	Product & Brand Management	4	4	20	10	70	100	

Group-C: FINANCIAL MANAGEMENT

6	MB305C	Security Analysis & Portfolio Management	4	4	20	10	70	100
7	MB306C	Indian Financial System	4	4	20	10	70	100
8	MB307C	Corporate Taxation & Planning	4	4	20	10	70	100

Group-D: SYSTEMS MANAGEMENT

6	MB305D	Relational Data Base Management System	4	4	20	10	70	100
7	MB306D	Management of Software Projects Enterprise Resource Planning (ERP) System Analysis and Design	4	4	20	10	70	100

MB307D	Enterprise Resource Planning (ERP)	4	4	4	20	10	70	100
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IV Semester Elective Course Structure

Group-A: HUMAN RESOURCE MANAGEMENT

6	MB406A	Management of Industrial Relations	4	4	4	20	10	70	100
7	MB407A	Compensation Management	4	4	4	20	10	70	100
8	MB408A	Strategic Human Resource Management	4	4	4	20	10	70	100

Group-B: MARKETING MANAGEMENT

6	MB406B	Services Marketing	4	4	4	20	10	70	100
7	MB407B	Rural Marketing	4	4	4	20	10	70	100
8	MB408B	Supply Chain Management	4	4	4	20	10	70	100

Group-C: FINANCIAL MANAGEMENT

6	MB406C	International financial Management	4	4	4	20	10	70	100
7	MB407C	Strategic Financial Management	4	4	4	20	10	70	100
8	MB408C	Financial Derivatives	4	4	4	20	10	70	100

Group-D: SYSTEMS MANAGEMENT

6	MB406D	Artificial Intelligence	4	4	20	10	70	100
7	MB407D	Data Communications and Networking	4	4	20	10	70	100
8	MB408D	Data Mining and Data Warehousing	4	4	20	10	70	100



KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2017-18

MCA I YEAR I SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA111	Problem Solving and Computer Programming	T (4)	20	80	100	4
MCA112	Computer Organization	T (4)	20	80	100	4
MCA113	Discrete Mathematical Structures	T (4)	20	80	100	4
MCA114	Internet Technologies	T (4)	20	80	100	4
MCA115	Managerial Economics	T (4)	20	80	100	4
MCA116	Problem Solving and Computer Programming Laboratory	L (4)	--	50	50	2
MCA117	Internet Technologies Laboratory	L (4)	--	50	50	2
MCA118	Open Source Laboratory	L (4)	--	50	50	2
Grand total (marks and credits)					650	26



A. Sushobhan
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KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2016-17

MCA I YEAR II SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA121	Data Structures	T (4)	20	80	100	4
MCA122	Object Oriented Programming	T (4)	20	80	100	4
MCA123	System Software	T (4)	20	80	100	4
MCA124	Operating System	T (4)	20	80	100	4
MCA125	Probability and Statistical Methods	T (4)	20	80	100	4
MCA126	Data Structures Laboratory	L (4)	--	50	50	2
MCA127	Object Oriented Programming Laboratory	L (4)	--	50	50	2
MCA128	Operating System & System Software Laboratory	L (4)	--	50	50	2
Grand total (marks and credits)					650	26



A. Sridharan
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Kishanpura, Hanumakonda.



KAKATIYA UNIVERSITY, WARANGAL

DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2016-17

MCA II YEAR I SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA211	Database Management Systems	T (4)	20	80	100	4
MCA212	Data Communication and Networks	T (4)	20	80	100	4
MCA213	Software Engineering	T (4)	20	80	100	4
MCA214	Principles and Practices of Management	T (4)	20	80	100	4
MCA215	.NET Programming	T (4)	20	80	100	4
MCA216	Database Management Systems Laboratory	L (4)	--	50	50	2
MCA217	Software Engineering Laboratory	L (4)	--	50	50	2
MCA218	.NET Programming Laboratory	L (4)	--	50	50	2
Grand total (marks and credits)					650	26

A. Subrahmanya
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KAKATIYA UNIVERSITY, WARANGAL

DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2016-17

MCA II YEAR II SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA221	Data Mining	T (4)	20	80	100	4
MCA222	Unix Network Programming	T (4)	20	80	100	4
MCA223	Web Technologies	T (4)	20	80	100	4
MCA224	Mobile Communications	T (4)	20	80	100	4
MCA225	Accountancy and Financial Management	T (4)	20	80	100	4
MCA226	Unix Network Programming Laboratory	L (4)	--	50	50	2
MCA227	Web Technologies Laboratory	L (4)	--	50	50	2
MCA228	Data Mining Laboratory	L (4)	--	50	50	2
Grand total (marks and credits)					650	26

A. Subrahmanya
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Kishanpura, Hanamakonda.



KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2016-17

MCA III YEAR I SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA311	Artificial Intelligence	T (4)	20	80	100	4
MCA312	Cryptography and Network Security	T (4)	20	80	100	4
MCA313	Mobile Application Development	T (4)	20	80	100	4
MCA314	Elective - I	T (4)	20	80	100	4
MCA315	Elective - II	T (4)	20	80	100	4
MCA316	Mobile Application Development Laboratory	L (4)	--			
MCA317	Cryptography and Network Security Laboratory	L (4)	--	50	50	2
MCA318	Mini Project Laboratory	L (4)	--	50	50	2
Grand total (marks and credits)					650	26

No.	Elective - I	No.	Elective - II
A	Cloud Computing ✓	A	Soft Computing
B	Human Computer Interaction	B	E-Commerce ✓
C	Software Project Management	C	Information Retrieval System ✓



A. Subashankar
Principals
Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.



**KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2016-17**

MCA III YEAR II SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA321	MAJOR PROJECT WORK	-	-	150	150	6

MCA321	MAJOR PROJECT WORK	MPW
WORK LOAD: 0 PPW	REVIEW ASSESSMENT	EXTERNAL MARKS: 150

The Project work constitutes a major component in most professional programmes. It needs to be carried out with due care, and should be executed with seriousness by the students. The project work is not only a partial fulfillment of the MCA requirements, but also provide a mechanism to demonstrate ASK (Attitude, Skills, and Knowledge) with specialization. The project work should compulsorily include the software development.

The majority of the students are expected to work on a real-life project preferably in some industry/ R&D Laboratories / Educational Institution / Software Company. Students are encouraged to work in their interested area. However, it is NOT MANDATORY for a student to work on a real-life project. The student can formulate a project problem with the help of his / her Guide and submit the project proposal of the same. APPROVAL OF THE PROJECT PROPOSAL IS MANDATORY. If approved, the student can commence working on it, and complete it. Use the latest versions of the software packages for the development of the project. Project problem domain selected and the specifications should be very much genuine.

Every student is mandatory to present two seminars in the sixth semester on the progress of the project.



KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2020-22

MCA I YEAR I SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA111	C and Data Structures	T (4)	20	80	100	4
MCA112	Operating System	T (4)	20	80	100	4
MCA113	Java Programming	T (4)	20	80	100	4
MCA114	Computer Networks	T (4)	20	80	100	4
MCA115	Probability and Statistical Methods	T (4)	20	80	100	4
MCA116	C and DS Lab	L (4)	--	50	50	2
MCA117	OS Lab	L (4)	--	50	50	2
MCA118	Java Programming Lab	L (4)	--	50	50	2
Grand total (Marks and Credits)					650	26

A. Subhadaksh
Principal
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Kishanpura, Hanamakonda.





KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2020-22

MCA IYEAR II SEMESTER

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA12 1	Python Programming	T (4)	20	80	100	4
MCA12 2	Database Management Systems	T (4)	20	80	100	4
MCA12 3	Software Engineering	T (4)	20	80	100	4
MCA12 4	Cryptography and Network Security	T (4)	20	80	100	4
MCA12 5	Principles and Practice of Management	T (4)	20	80	100	4
MCA12 6	Python Programming lab	L (4)	--	50	50	2
MCA12 7	DBMS Lab	L (4)	--	50	50	2
MCA12 8	Software Engineering Lab	L (4)	--	50	50	2
Grand total (marks and credits)					650	26

A. Sreedharulu



KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2020-21

MCA II YEAR I SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA211	Data Mining	T (4)	20	80	100	4
MCA212	Web Technologies	T (4)	20	80	100	4
MCA213	Theory of Computation	T (4)	20	80	100	4
MCA214	Elective - I	T (4)	20	80	100	4
MCA215	Elective - II	T (4)	20	80	100	4
MCA216	Data Mining Lab	L (4)	--	50	50	2
MCA217	Web Technologies Lab	L (4)	--	50	50	2
MCA218	Advanced Programming Lab (with respect to Elective - I)	L (4)	--	50	50	2
Grand total (marks and credits)					650	26

Elective - I

- a. Mobile Application Development
- b. Cloud Computing
- c. R-Programming

Elective - II

- a. Internet of Things
- b. Big Data Analytics
- c. Mobile Computing



A. Subhadra
Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanamakonda.



KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2020-21

MCA II YEAR II SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA221	Artificial Intelligence	T (4)	20	80	100	4
MCA222	Elective-III	T (4)	20	80	100	4
MCA223	Elective-IV	T (4)	20	80	100	4
MCA224	Project	T (8)	50	200	250	10
Grand total (marks and credits)					550	22

Elective - III

- a. Foundations of Block Chain Technologies
- b. Cyber Security
- c. E-Commerce

Elective - IV

- a. Digital Image Processing
- b. Machine Learning
- c. Language Processors

A. Subhadra



KAKATIYA UNIVERSITY, WARANGAL
DEPARTMENT OF COMPUTER SCIENCE
MCA COURSE STRUCTURE UNDER CBCS
WITH EFFECT FROM 2020-22

MCA I YEAR I SEMESTER:

Paper No	Paper Title / Subject	Workload Per week (Theory : Lab)	MARKS			Credits
			Internal	External	Total	
MCA111	C and Data Structures	T (4)	20	80	100	4
MCA112	Operating System	T (4)	20	80	100	4
MCA113	Java Programming	T (4)	20	80	100	4
MCA114	Computer Networks	T (4)	20	80	100	4
MCA115	Probability and Statistical Methods	T (4)	20	80	100	4
MCA116	C and DS Lab	L (4)	--	50	50	2
MCA117	OS Lab	L (4)	--	50	50	2
MCA118	Java Programming Lab	L (4)	--	50	50	2
Grand total (Marks and Credits)					650	26



A. Subrahmanya

Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanamakonda.

2016-2019

course code:

BC-102

DEPARTMENT OF ENGLISH
KAKATIYA UNIVERSITY

UG I Semester

LESSON ONE (SHORT FICTION)	TEXT	OLD MAN AT THE BRIDGE by Ernest Hemingway
	PRONUNCIATION	CONSONANTAL SOUNDS
	GRAMMAR	ARTICLES
	VOCABULARY	SYNONYMS
	SPELLING	PICK OUT THE WRONGLY-SPELT WORDS
	CONVERSATIONS	ICE-BREAKING
	READING PASSAGE	RUDRAMA DEVI
	LIFE SKILLS	SELF-AWARENESS
LESSON TWO (PROSE)	TEXT	INDIA AND DEMOCRACY by Dr.B.RAMBEDKAR
	PRONUNCIATION	VOWEL SOUNDS: MONOPHTHONGS
	GRAMMAR	PREPOSITIONS
	VOCABULARY	ANTONYMS
	SPELLING	USE OF 'UN' OR 'DIS'
	CONVERSATIONS	INTRODUCING
	READING PASSAGE	MEDARAM JATARA
	LIFE SKILLS	EMPATHY
LESSON THREE (POETRY)	TEXT	THE SCRIBE by WALTER DE LA MARE
	PRONUNCIATION	VOWEL SOUNDS: DIPHTHONGS
	GRAMMAR	TENSES
	VOCABULARY	HOMOPHONES & HOMONYMS
	SPELLING	USE OF 'TION' OR 'SION'
	CONVERSATIONS	DESCRIBING A PERSON/PLACE/EVENT
	READING PASSAGE	KALOJI
	LIFE SKILLS	CRITICAL THINKING & CREATIVE THINKING SKILLS
LESSON FOUR (DRAMA)	TEXT	THE NEVER-NEVER NEST by CEDRIC MOUNT
	PRONUNCIATION	PLOSIVES
	GRAMMAR	FRAMING QUESTIONS
	VOCABULARY	ONE-WORD SUBSTITUTES
	SPELLING	USE OF 'MENT'
	CONVERSATIONS	GIVING DIRECTIONS
	READING PASSAGE	KUNTALA WATERFALL
	LIFE SKILLS	DECISION-MAKING SKILL

1. Alcott

2. D. H. Lawrence

3. W. G. Sebald

4. J. K. Rowling

5. A. S. Byatt

6. D. H. Lawrence



A. S. Byatt

Principal

Vaagdevi Degree & P.G. College
Kishanpura, Hanumanakonda.

Department of English
Kakatiya University
UG II Semester

Course Code:

BC-202

LESSON FIVE (SHORT FICTION)	TEXT	THE RELUCTANT PHILANTHROPIST by GOLLAPUDI SRINIVASA RAO
	PRONUNCIATION	FRICATIVES
	GRAMMAR	DISCOURSE MARKERS
	VOCABULARY	IDIOMS & PHRASES
	SPELLING	USE OF 'IE' AND 'E'
	CONVERSATIONS	SEEKING INFORMATION
	READING PASSAGE	BATHUKAMMA
	LIFE SKILLS	PROBLEM-SOLVING SKILL
LESSON SIX (PROSE)	TEXT	HOW SHOULD ONE READ A BOOK by VIRGINIA WOOLF
	PRONUNCIATION	AFFRICATES & NASALS
	GRAMMAR	VOICE & DEGREES OF COMPARISON
	VOCABULARY	PHRASAL VERBS
	SPELLING	USE OF 'ABLE' & 'BLE'
	CONVERSATIONS	ORGANIZING A MEETING/INVITING GUESTS
	READING PASSAGE	RAMAPPA
	LIFE SKILLS	EFFECTIVE COMMUNICATION SKILL
LESSON SEVEN (POETRY)	TEXT	AFTER BLENHEIM by ROBERT SOUTHEY
	PRONUNCIATION	LATERALS, SEMI-VOWELS
	GRAMMAR	REPORTING SPEECH & QUESTION TAGS
	VOCABULARY	LEXIS/WORD-BUILDING
	SPELLING	USE OF PREFIXES & SUFFIXES
	CONVERSATIONS	ORGANIZING A MEETING/PROPOSING A VOTE OF THANKS
	READING PASSAGE	BONALU
	LIFE SKILLS	INTER-PERSONAL RELATIONSHIPS
LESSON EIGHT (DRAMA)	TEXT	THE INFORMER by BERTOLT BRECHT
	PRONUNCIATION	SYLLABIC STRUCTURE
	GRAMMAR	COMMON ERRORS
	VOCABULARY	COLLOCATIONS
	SPELLING	
	CONVERSATIONS	
	READING PASSAGE	KINNERASANI
	LIFE SKILLS	COPING WITH STRESS AND EMOTIONS

1. Acety

2. Journal 3. Journal

4. Hyphens

5. S. Saha 6. Journal
12/4/16




A. Subrahmanya
Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanumakonda.

course code:
BC-302

DEPARTMENT OF ENGLISH
KAKATIYA UNIVERSITY
ENGLISH TEXT BOOK (ENGLISH FOR ACCOMPLISHMENT) FOR
B.A., B.Com., B.Sc., B.B.M. & B.C.A. III SEMESTER

UNIT ONE (SHORT FICTION)	TEXT	The Touch By Abburi Chayadevi
	Grammar	Concord
	Etymology	Word Origin
	Reading Comprehension	P.V.Narasimha Rao
	Writing	Letter Writing
	Language Skills	Listening Skills: Types of Listening, Barriers to Effective Listening
	Communication & Soft Skills	Brain Storming
UNIT TWO (PROSE)	Text	To Students by M K Gandhi
	Grammar	Words and Their Forms
	Etymology	Fun with Words
	Reading Comprehension	Basava, Badraddi
	Writing	Note-making / Note-taking
	Language Skills	Speaking Skills: Conversation Skills
	Communication & Soft Skills	JAM
UNIT THREE (POETRY)	Text	The Bat Messenger by Jashuva
	Grammar	Finding out correct option/ error
	Etymology	Loan Words
	Reading Comprehension	Perini
	Writing	Essay Writing
	Language Skills	Reading Skills: Skimming and Scanning
	Communication & Soft Skills	Oral Presentation
UNIT FOUR (DRAMA)	Text	Ramanujan by Partap Sehgal
	Grammar	Finding out correct order/ jumbled words
	Etymology	Derivations
	Reading Comprehension	Mimicry
	Writing	Expansion of Idea/ Proverb
	Language Skills	Writing Skills: Paragraph Writing
	Communication & Soft Skills	Dialogue Writing

Amaly
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Kaly
Chairman
Board of Studies in English
Kakatiya University
WARANGAL-506009 (TS)

A. Subbalekshmi
Principal
Vaagdevi Degree & P.G. College
Kishanpura, Hanumanakonda.

course code:

BC-402

DEPARTMENT OF ENGLISH
KAKATIYA UNIVERSITY
ENGLISH TEXT BOOK (ENGLISH FOR ACCOMPLISHMENT) FOR
B.A., B.Com., B.Sc., B.B.M. & B.C.A. IV SEMESTER

UNIT FIVE (SHORT FICTION)	Text	Arjun by Mahaswetha Devi
	Grammar	Sentence Completion
	Etymology	Compounding
	Reading Comprehension	Dr Samala Sadashiva
	Writing	E-correspondence
	Language Skills	Listening Skills: Strategies for Effective Listening
	Communication & Soft Skills	Role Play
UNIT SIX (PROSE)	Text	Women by Ismat
	Grammar	Cloze Test
	Etymology	Onomatopoeia
	Reading Comprehension	Elgandal Fort, Vemulawada
	Writing	Report Writing
	Language Skills	Speaking Skills: Public Speaking
	Communication & Soft Skills	Debates
UNIT SEVEN (POETRY)	Text	Father Returning Home by Dilip Chitre
	Grammar	Synthesis of Sentences: Simple to Compound, Compound to Simple
	Etymology	Sound Symbolism
	Reading Comprehension	Art Forms: Pambarthi, Nirmal
	Writing	Creative Writing

2

Arna
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Kakatiya University
WARANGAL-506 009



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Kishanpeta, Hanamkonda.

Arna
Board of Studies in English
Kakatiya University
WARANGAL-506009 (TS)

2016-17

S.L

Second Language - Telegu

Kakatiya University, Warangal
CBCS Pattern of BA., B.Sc., & B.Com

2016-17

Syllabus

తెలుగు - ద్వితీయ భాష

I Semester

Unit - I (ప్రాచీన కవిత్వం)

- | | | | |
|----|-----------------|---|----------------------|
| 1. | శకుంతలీవాణ్ణ్యం | - | నన్నయ |
| 2. | గోదగూఢ | - | పాల్కురికి సోమనాథుడు |
| 3. | త్యాగ సురతి | - | కొరవి గోపరాజు |
| 4. | గజేంద్ర మోక్షము | - | అచ్యుత దీక్షిత |

Unit - II (ఆధునిక కవిత్వం)

- | | | | |
|----|-----------|---|-------------------|
| 1. | కాసులు | - | గురజాడ అప్పారావు |
| 2. | దాణ-కవి | - | డా. గుల్లం జాషుదా |
| 3. | గంగినెచ్చ | - | డా. వల్ల దుర్గయ్య |
| 4. | అయభీణ | - | శ్రీశ్రీ |

Unit - III (వచన విభాగం)

- | | | | |
|----|------------------|---|-------------------------|
| 1. | యుగాంతం (కథానిక) | - | నెల్లూరి కేశవస్వామి |
| 2. | ఎంతనీ (కథానిక) | - | అదానీ పాతాళ యశోదానెట్టి |

Unit - IV (భాషా విభాగం)

- | | | |
|----|---------|--|
| 1. | సంఘాలు | |
| 2. | సమాసాలు | |



 19/5/16 19/5/16 19/5/16 19/5/16 19/5/16




 Principal
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 Kishanpura, Hanumakonda

2016 - 2017

Telegu

Kakatiya University, Warangal
CBCS Pattern of BA., B.Sc., & B.Com
Syllabus

తెలుగు ద్వితీయ భాష

II Semester

Unit - I (ప్రాచీన కవిత్వం)

1. సంపరణుడి తపస్సు - అద్దంకి గంగాధరుడు
2. శ్రీ రంగశ్రీత్ర మహిమ - సారంగు తమ్మయ
3. హనుమత్ సందేశము - మొల్ల
4. సుధాపితములు - ఏనుగు అక్షయ కవి

Unit II (ఆధునిక కవిత్వం)

1. అంతర్జాడము - దాశరథి కృష్ణమాచార్యులు
2. 'త్రే' పంచపదులు - డా॥ సి సారాయలపెట్టి
3. రోడ్డు రోలర్ - ఆచార్య పేర్వారం జగన్నాథం
4. అర్విదా - కొమురి

Unit III (వచన విభాగం)

1. మామిడి పండు - (వ్యాసం) సురభరం ప్రతాపరెడ్డి
2. నూ తూరు పోయింది - (శ్లోకాలు) దేవులపల్లి వేంకట కృష్ణారావు
3. ఇదీ ఒక కళ, పేరులు దారులు గుర్తుంచుకోవడం (వ్యాసం)
- శ్రీమతి నందగిరి ఇందిరాదేవి

Unit IV (ఉపవాచకం)

1. రుద్రమదేవి - ఒద్దరాజు సీతారామచంద్ర రాయశర్మ

Handwritten signatures and dates: 19/5/16, 19/5/16, 19/5/16, 19/5/16



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DEPARTMENT OF TELUGU, FACULTY OF ARTS
KAKATIYA UNIVERSITY, WARANGAL
B.A., II Year Syllabus - 2017-2018
Second Language 2016-17
SEMESTER - III

UNIT - I

ప్రాచీన కవిత్వం

1. ధర్మజుని వాక్యాతుర్యం
(ఉద్యోగ పర్వం, తృతీయాశ్వాసుల 3-34) - తిక్కన
2. విభీషణ శరణాగతి (రంగనాథ రామాయణం)- గోనబుద్ధారెడ్డి
3. గుణనిధి కథ - శ్రీనాథుడు

UNIT - II

ఆధునిక కవిత్వం

1. రైతు ప్రశస్తి (రైతు రామాయణం) - వానమామలై జగన్నాథాచార్యులు
2. గుడిసెలు కాలిపోతున్నై - బోయి భీమస్వ
3. ఆర్తరీతం - దేవరకొండ బాలగంగాధర తిలక్

UNIT - III

వచన విభాగం

1. అర్ధరాత్రి అరుణోదయం (జీవనయానం) - దాశరథి రంగాచార్య
2. సి.పి. బ్రౌన్ సాహిత్య సేవ - జానుమట్టి హనుమచ్ఛాస్త్రి
3. కొండమల్లెలు (కథ) - ఇల్లందుల నరస్యతీదేవి

UNIT - IV

వచన విభాగం

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



A. Subrahmanya
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Malkajgiri, Hanamkonda.

P. N. A. B.
Dean
Faculty of Arts
Kakatiya University
Warangal-506 009

DEPARTMENT OF TELUGU, FACULTY OF ARTS
KAKATIYA UNIVERSITY, WARANGAL
B.A., II Year Syllabus - 2017-2018
Second Language
SEMESTER - IV 2016-17

UNIT - I

ప్రాచీన కవిత్వం

- 1 నారద గానమాత్యర్షం (కళా పూర్ణోదయం) - పింగళ సూరన
- 2 వాగ్దాన భంగం - ఆనూలిమలింగంటి
వేంకట నరసింహాచార్యులు
- 3 నారసింహ శతకం (నందిని పరిణయం) - ధర్మపురి శేషప్ప

UNIT - II

ఆధునిక కవిత్వం

- 1 గురుదక్షిణ (విజయా విజయం) - అంటి లక్ష్మీనరసింహరాజు
- 2 నరుడ నేను, నరుడ నేను - కాళోజి
- 3 దేవరకొండ దుర్గం - ముకురాల రామారెడ్డి

UNIT - III

వచన విభాగం

- 1 నివురు తొలగిన నిప్ప (కథ) - విఠ్ఠలపల్లి శాంతాదేవి
- 2 మన గ్రామ నామాలు - కపిలవాయి లింగమూర్తి

UNIT - IV

వ్యాకరణం

- 1 అలంకారాలు
- 2 చందస్సు



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Unit-I ప్రాచీన కవిత్వం

- 1) శకుంతలోపాఖ్యానం - నన్నయ
- 2) గోదగూచి కథ - పొల్లూరికి సోమనాధుడు
- 3) సంవరణుడి తపస్సు-అద్దంకి గంగాధరుడు

Unit-II ఆధునిక కవిత్వం

- 1) కాసులు-గురజాడ అప్పారావు
- 2) రాజు-కవి-డా.గుట్టం జాషువా
- 3) గంగిరెద్దు-డా. పల్లా దుర్గయ్య
- 4) జయభేరి-శ్రీ శ్రీ

Unit-III వచన కవిత్వం

రుద్రమదేవి (నవల) - ఒద్దిరాజు సోదరులు

Unit-IV భాషా భాగాలు-వ్యాకరణం

పర్యాయ పదాలు, నానార్థాలు, సంధులు, సమాసాలు, తెలుగు వాక్యం



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Unit-I ప్రాచీన కవిత్వం

- 1) గజేంద్ర మోక్షం-పోతన
- 2) హనుమత్ సందేశం-మొల్ల
- 3) సుభాషితాలు-వినుగు లక్ష్మణ కవి

Unit-II ఆధునిక కవిత్వం

- 1) స్నేహలత లేఖ-రాయప్రోలు సుబ్బారావు
- 2) అంతర్నాదం-దాశరథి కృష్ణమాచార్యులు
- 3) ప్రపంచపదులు-డా॥ సి.నారాయణరెడ్డి
- 4) అల్విదా-కౌముది

Unit-III వచన విభాగం

- 1) యుగాంతం-నెల్లూరి కేశవ స్వామి
- 2) ఎంకన్న - ఆచార్య పాకాల యశోదారెడ్డి
- 3) మామిడి వండు - సురవరం ప్రతాపరెడ్డి
- 4) మా ఊరుపోయింది-దేవులపల్లి వేంకట కృష్ణకాశ్రి

Unit-IV ఛందస్సు

ఉత్పలమాల, చంపకమాల, శార్దూలం, మత్తేభం, ఆటవెలది, తేటగీతి, ద్విపద, సీసం, కందం, ఉత్పాహం, తరళం, స్రగ్ధర, మహాస్రగ్ధర, ముత్యాలసరం



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3rd Semester

Unit -I ప్రాచీన పద్యభాగం

- | | | |
|--------------------------|---|------------------|
| 1) ధర్మజాని వాక్యాతుర్యం | - | తిక్కన |
| 2) విభీషణ శరణాగతి | - | గోస బుద్ధారెడ్డి |
| 3) గుణనిధి కథ | - | శ్రీనాథుడు |

Unit -II ఆధునిక పద్యభాగం

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

Unit -III అలంకారాలు

- శబ్దాలంకారాలు: వృత్తసుప్రాస, ఛేకాసుప్రాస, లాటాసుప్రాస,
అంత్యాసుప్రాస, యమకం, ముక్తపదగ్రస్తాలంకారాలు
- అర్థాలంకారాలు: ఉపమ, ఉత్పేక్ష, రూపక, స్వభావోక్తి, ఉల్లేఖ,
అర్థాంతరవ్యాస, శ్లేష, దృష్టాంతాలంకారాలు

పాఠ్యగ్రంథం: తెలుగు అకాదమీ వారి "సాహితీ కిన్నెర" తెలుగు వాచకం



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Unit -I ప్రాచీన పద్యభాగం

- 1) నారద గానమాత్సర్యం - పింగలి సూరన
- 2) వాగ్దాన భంగం - అసూరి మరింగంటి వేంకట నరసింహాచార్యులు
- 3) నారసింహ శతకం - ధర్మపురి శేషప్ప

Unit -II ఆధునిక పద్యభాగం

- 1) నరుడ నేను, నరుడ నేను - కాళోజీ
- 2) ఆ త్రగీతం - దేవరకొండ బాలగంగాధర తిలక్
- 3) దేవరకొండ దుర్గం - డా॥ ముకురాల రామారెడ్డి

Unit -III వచన విభాగం

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

పాఠ్యగ్రంథం: తెలుగు అకాడమీ వారి "సాహితీ కిన్నెర" తెలుగు వాచకం



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Unit-I కవితా ప్రక్రియలు

- 1) పద్యం
- 2) పాట
- 3) వచన కవిత
- 4) మినీ కవితా రూపాలు,
హైకూ, నానీలు మినీ కవితలు
- 5) రుబాయిలు, గజల్

Unit-II తెలుగు వ్యాసం

- 6) వ్యాసం నిర్వచనం, లక్షణాలు
- 7) తెలుగు వ్యాస పరిణామక్రమం
- 8) వ్యాస రచనా పేర్లు
- 9) వ్యాస రచన భాషా ప్రయోగాలు
- 10) వ్యాసం -వస్తు వైవిధ్యం

Unit-III వచన సాహిత్యం

- 11) అధ్యయన-సంస్కృతి
- 12) సాహిత్య అధ్యయనం ప్రయోజనాలు
- 13) ముందుమాట
- 14) పుస్తక సమీక్ష
- 15) జానపద సాహిత్య పరిచయం



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17/6/2024
Chairman

Board of Studies in Telugu
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Telugu (Second Language)
6th Semester

Unit-I సాహిత్య ప్రక్రియల పరిచయం

- 1) నాటకం
- 2) నవల
- 3) కథానిక
- 4) తీవ్ర చరిత్ర
- 5) ఉపన్యాస కళ

Unit-II జర్నలిజంలో మౌలికాంశాలు

- 6) వార్త - నిర్వచనం, లక్షణాలు
- 7) లీడ్ - ఎడిటింగ్
- 8) వార్తా కథనాలు
- 9) అనువాదం
- 10) ఇంటర్వ్యూలు

Unit-III ప్రాజెక్టు పరిచయం

- 11) ప్రాజెక్టు
- 12) అధ్యయనం
- 13) పరికల్పన
- 14) నివేదిక




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