



# TELANGANA STATE COUNCIL OF HIGHER EDUCATION

(A Statutory Body of the Government of T.S.)

Opp. Mahavir Hospital, Mahavir Marg, Masab Tank, Hyderabad - 500 028.

Ph & Fax : 040-23331117

e-mail : secretarytsche@gmail.com, website : www.tsche.cgg.gov.in



DR. N. SRINIVASA RAO  
SECRETARY

Lr.No. TSCHE/UM-651/(695) (TS)/Univ. corr /CBCS/ 2016

Di.29.03.2016

To

The Registrars of

Osmania University	Kakatiya University	Satavahana University	Mahathma Gandhi Univ
Telangana University	Palamauru University		

Sir,

Sub: TSCHE – UMS – Meeting with Registrars of the (06) conventional Universities – implementation of Choice Based Credit System (CBCS) - Meeting is Scheduled to be held on 02.04.2016 at 11.00 AM in the Conference Hall of Telangana State Council of Higher Education- Request - Regarding.

-oOo-

While referring to the subject and reference cited, I am directed, to inform that the Telangana State Council of Higher Education has revised all the UG Syllabus based on the UGC guidelines on implementation of Choice Based Credit System (CBCS) .

Against this background, I am, by direction, request the Registrars of the concern Universities to kindly make it convenient to attend meeting scheduled to be held on 2<sup>nd</sup> April 2016 at 11.00 AM in the Conf. Hall of Telangana State Council of Higher Education, Hyderabad on implementation of Choice Based Credit System.

*Handwritten signature*

Yours faithfully,

*Handwritten signature*  
SECRETARY

Copy to : Peshies of *Saxena* Chairman, Vice-Chairman-I, Vice-Chairman-II and Secretary, TSCHE

*Handwritten signature*  
29/3/16

*Handwritten signature*

Minutes of the 2<sup>nd</sup> Meeting of the Committee to Review UGCBCS Guidelines pertaining to Credit Points to fit into UG Semester System, held on 01.04.2016 at 10.30 AM in the Conf. Hall of TSCHE is as follows:

The Committee thoroughly examined the UGC guidelines, Common Core syllabus of the State and workload granted/sanctioned by the State and made the following recommendations:

1. The Committee recommended the Template showing Course Structure and respective credits.
2. The Committee recommended to include Advanced Ability Enhancement Compulsory Courses, Skill Enhancement Courses and Generic Electives, as per the UGC guidelines, into the UG course structure.
3. The Committee recommended credits for Discipline Specific Courses and Discipline Specific Electives as per the UGC norms.
4. The Committee noticed and justified that the introduction of the CBCS system resulted in increase in the credits / hours.

Prof. K. Venkata Chalam  
Vice-Chairman -I, TSCHE- Chairman



Prof. K. Sankaraiah  
Dept. of Commerce, OU, Hyd-Member



Prof. Nirmala Babu Rao  
Dept. of Botany, OU, Hyd - Member

Prof. Sumita Roy

Dept. of English, OU, Hyd - Member

Prof. Sankasala Mallesh  
Vice-Chairman -II, TSCHE - Member

Prof. B. Sayanna  
Dept. of Phy. Science, OU, Hyd - Member

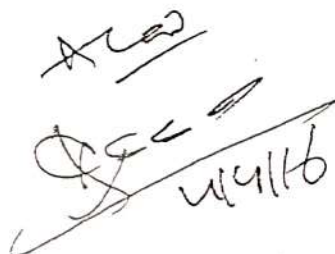


Prof. M. Chenna Basavaiah  
Dept. of Pol. Science, OU, Hyd - Member



Dr. D. Vasundhara

Retd. Principal, Govt. DC - Member (on behalf of CCE)





32+2+2  
= 36

**PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN  
B.COM PROGRAM**

**FIRST YEAR SEMESTER-I**

Code	Course Title	Course Type	HPW	Credits
BC101	Communication — <i>Environmental science</i>	AECC-1	2	2
BC102	English	CC-1A	5	5
BC103	Second Language	CC-2A	5	5
BC104	Financial Accounting - I	DSC-1A	5+1	6
BC105	Business Economics	DSC-2A	6	6
BC106	Business Organization	DSC-3A	4	4
BC107	Information Technology	DSC-4A	4	4

**SEMESTER-II**

BC201	Environmental Science — <i>Gender Studies</i>	AECC-2	2	2
BC202	English	CC-1B	5	5
BC203	Second Language	CC-2B	5	5
BC204	Financial Accounting - II	DSC-1B	5+1	6
BC205	Managerial Economics	DSC-2B	5+1	6
BC206	Principles of Management	DSC-3B	4	4
BC207	Foreign Trade	DSC-4B	4	4

**SECOND YEAR SEMESTER-III**

BC301	A/B	SEC-1	2	2
BC302	English	CC-1C	5	5
BC303	Second Language	CC-2C	5	5
BC304	Advanced Accounting	DSC-1C	5+1	6
BC305	Income Tax-I	DSC-2C	6	6
BC306	Business Statistics-I	DSC-3C	4	4
BC307	Entrepreneurial Development & Business Ethics/ Programming with C (CA)/ Web Technologies (ecom)	DSC-4C	4	4

**SEMESTER-IV**

BC401	A/B C/D	SEC-2	2	2
BC402	English	CC-1D	5	5
BC403	Second Language	CC-2D	5	5
BC404	Corporate Accounting	DSC-1D	5+1	6
BC405	Income Tax-II	DSC-2D	6	6
BC406	Business Statistics-II	DSC-3D	4	4
BC407	Auditing	DSC-4D	4	4

**THIRD YEAR SEMESTER-V**


BC501	A/B C/F — <i>Communication</i>	SEC-3	2	2
BC502		GE-1	5+1	6
BC503	Cost Accounting	DSC-1E	6	6
BC504	Business Law	DSC-2E	5	5
BC505	Banking Theory & Practice	DSC-3E	4	4
BC506	Computerised Accounting	DSC-4E	5	5
BC507	Financial Statements Analysis(A) Direct Tax-I (T) Financial Management (BS/F) E-Commerce (CA/ecom)	DSE-1A	4+1	5


BC508	Indian Accounting Standards (A) Indirect Taxes (T) Principles of Marketing (BS/ecom) Objective Oriented Programming with C++ (CA) Financial Services (F)	DSE-2A	4+1	5
<b>SEMESTER-VI</b>		SEC-4	2	2
BC601	G/H	GE-2	5+1	6
BC602		DSC-1F	5+1	6
BC603	Managerial Accounting	DSC-2F	5	5
BC604	Company Law	DSC-3F	5	5
BC605	Financial Institutions & Markets	DSC-4F	4	4
BC606	Commerce Lab	DSE-1B	4+1	5
BC607	Advanced Managerial Accounting (A) Direct Tax-II (T) Human Resources Management (BS) Web Technologies (CA) Supply Chain Management Logistics (ecom) Investment Management (F)			
BC608	Advanced Corporate Accounting (A) Tax Planning & Management (T/BS) Relational Database Management Systems (CA) Retail Marketing (ecom) International Finance (F)	DSE-2B	4+1	5
	<b>TOTAL</b>		<b>204</b>	<b>204</b>

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

#### SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Language	8	5	40
	DSC	8	6	48
		8	5	40
		8	4	32
4	DSE	4	5	20
5	GE	2	6	12
	<b>TOTAL</b>	<b>40</b>		<b>204</b>
	<b>Commerce Total</b>	<b>28</b>		<b>140</b>

  
Prof. K. Venkata Chalam  
Vice-Chairman –I, TSCHE- Chairman

  
Prof. Sankasala Mallesh  
Vice-Chairman –II, TSCHE - Member



**PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN  
B.A. PROGRAM**

<b>FIRST YEAR SEMESTER-I</b>				
<b>Code</b>	<b>Course Title</b>	<b>Course Type</b>	<b>HPW</b>	<b>Credits</b>
BA101	Communication <i>Environmental Studies</i>	AECC-1	2	2
BA102	English	CC-1A	5	5
BA103	Second Language	CC-2A	5	5
BA104	Optional -I	DSC-1A	5	5
BA105	Optional - II	DSC-2A	5	5
BA106	Optional - III	DSC-3A	5	5
<b>SEMESTER-II</b>				
BA201	Environmental Studies <i>Gender Studies</i>	AECC-2	2	2
BA202	English	CC-1B	5	5
BA203	Second Language	CC-2B	5	5
BA204	Optional -I	DSC-1B	5	5
BA205	Optional - II	DSC-2B	5	5
BA206	Optional - III	DSC-3B	5	5
<b>SECOND YEAR SEMESTER-III</b>				
BA301	A/B	SEC-1	2	2
BA302	English	CC-1C	5	5
BA303	Second Language	CC-2C	5	5
BA304	Optional -I	DSC-1C	5	5
BA305	Optional - II	DSC-2C	5	5
BA306	Optional - III	DSC-3C	5	5
<b>SEMESTER-IV</b>				
BA401	C/D	SEC-2	2	2
BA402	English	CC-1D	5	5
BA403	Second Language	CC-2D	5	5
BA404	Optional -I	DSC-1D	5	5
BA405	Optional - II	DSC-2D	5	5
BA406	Optional - III	DSC-3D	5	5
<b>THIRD YEAR SEMESTER-V</b>				
BA501	E/F	SEC-3	2	2
BA502		GE-1	5+1	6
BA503	Optional -I	DSC-1E	4	4
BA504	Optional -II	DSC-2E	4	4
BA505	Optional -III	DSC-3E	4	4
BA506	Optional -I A/B/C	DSE- 1E	4	4
BA507	Optional - II A/B/C	DSE-2E	4	4
BA508	Optional - III A/B/C	DSE-3E	4	4
<b>SEMESTER-VI</b>				
BC601	G/H	SEC-4	2	2
BC602		GE-2	5+1	6
BA603	Optional -I	DSC-1F	4	4
BA604	Optional -II	DSC-2F	4	4
BA605	Optional -III	DSC-3F	4	4
BA606	Optional -I A/B/C	DSE- 1F	4	4
BA607	Optional - II A/B/C	DSE-2F	4	4

BA608	Optional - III A/B/C	DSE-3F	4	4
	<b>TOTAL</b>		172	172

AECC: Ability Enhancement Compulsory Course;

SEC: Skill Enhancement Course;

DSC: Discipline Specific Course;

DSE: Discipline Specific Elective;

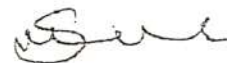
GE: Generic Elective;

### SUMMARY OF CREDITS

Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Language	8	5	40
	DSC	12	5	60
	DSC	6	4	24
4	DSE	6	4	24
5	GE	2	6	12
	<b>TOTAL</b>	<b>40</b>		<b>172</b>
	<b>Optionals Total</b>	<b>24</b>		<b>108</b>



Prof. K. Venkata Chalam  
Vice-Chairman -I, TSCHE- Chairman



Prof. Sankasala Mallesh  
Vice-Chairman -II, TSCHE - Member

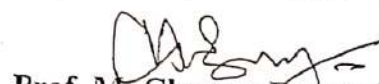


Prof. K. Sankaraiah  
Dept. of Commerce, OU, Hyd-Member

Prof R. Sayanna  
Dept. of Phy.Science, OU, Hyd -Member



Prof. Nirmala Babu Rao  
Dept. of Botany, OU, Hyd - Member



Prof. M. Chenna Basavaiah  
Dept. of Pol. Science, OU, Hyd - Member

Prof. Sumita Roy

Dept. of English, OU, Hyd - Member



Dr.D. Vasundhara  
Retd. Principal, Govt. DC - Member(on behalf of CCE)



**PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN  
B.COM (HONOURS) PROGRAM**

**FIRST YEAR SEMESTER-I**

Code	Course Title	Course Type	HPW	Credits
BC101	English/MIL Communication	AECG-1	2	2
BC102	Information Technology	GE-1	5+1	6
BC103	Financial Accounting - I	DSC-1A	5+1	6
BC104	Business Economics	DSC-2A	6	6
BC105	Business Organization	DSC-3A	4	4
BCH106	Principles of Marketing	DSC-4A	4	4

**SEMESTER-II**

BC201	English/MIL Communication	AECG-2	2	2
BCH202	Relational Database Management System	GEN-2	5+1	6
BC203	Financial Accounting - II	DSC-1B	5+1	6
BC204	Managerial Economics	DSC-2B	6	6
BC205	Principles of Management	DSC-3B	4	4
BC206	Foreign Trade	DSC-4B	4	4

**SECOND YEAR SEMESTER-III**

BC301	Entrepreneurial Development & Business Ethics	SEC-1	2	2
BCH302	Management Information System	GEN-3	5+1	6
BC303	Advanced Accounting	DSC-1C	5+1	6
BC304	Income Tax-I	DSC-2C	6	6
BC305	Business Statistics	DSC-3C	4	4
BCH306	Marketing Management	DSC-4C	4	4
BCH307	Human Resources Management	DSC-5C	5	5

**SEMESTER-IV**

BCH401	Business Mathematics	SEC-2	2	2
BCH402	E-Commerce & Digital Marketing	GEN-4	5+1	6
BC403	Corporate Accounting	DSC-1D	5+1	6
BC404	Income Tax-II	DSC-2D	6	6
BC405	Business Statistics-II	DSC-3D	4	4
BC406	Auditing	DSC-4D	4	4
BCH407	Financial Statements Analysis	DSC-5D	5	5

**THIRD YEAR SEMESTER-V**

BC501	Cost Accounting	DSC-1E	6	6
BC502	Business Law	DSC-2E	5	5
BC503	Banking Theory & Practice	DSC-3E	4	4
BC504	Computerised Accounting	DSC-4E	5	5
BCH505	Research Methodology	DSC-5E	5	5
BCH506	Financial Management	DSE-1	4+1	5
BCH507	Financial Services	DSE-2	4+1	5

**SEMESTER-VI**

BC601	Managerial Accounting	DSC-1F	5+1	6
-------	-----------------------	--------	-----	---

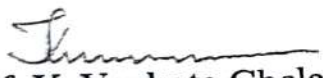


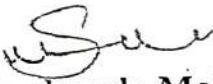
BC602	Company Law	DSC-2F	5	5
BC603	Financial Institutions & Markets	DSC-3F	5	5
BC604	Commerce Lab	DSC-4F	4	4
BCH605	Project Report	DSC-5F	5	5
BCH606	Investment Management	DSE-3	4+1	5
BCH607	International Finance	DSE-4	4+1	5
	<b>TOTAL</b>		<b>192</b>	<b>192</b>


AECC: Ability Enhancement Compulsory Course; SEC: Skill Enhancement Course; DSC: Discipline Specific Course; DSE: Discipline Specific Elective; GE: Generic Elective; T: Theory; P: Practical; R: Report; VV: Viva-Voce Examination.

#### SUMMARY OF CREDITS


Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	2	2	4
3	DSC	10	6	60
		8	5	40
		10	4	40
4	DSE	4	5	20
5	GE	4	6	24
	<b>TOTAL</b>	<b>46</b>		<b>192</b>
	<b>Commerce Total</b>	<b>38</b>		<b>160</b>


  
**Prof. K. Venkata Chalam**  
 Vice-Chairman -I, TSCHE- Chairman

  
**Prof. Sankasala Mallesh**  
 Vice-Chairman -II, TSCHE - Member

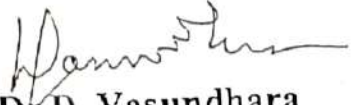
  
**Prof. K. Sankaraiah**  
 Dept. of Commerce, OU, Hyd-Member

**Prof R. Sayanna**  
 Dept. of Phy.Science, OU, Hyd -Member

  
**Prof. Nirmala Babu Rao**  
 Dept. of Botany, OU, Hyd - Member

  
**Prof. M. Chenna Basavaiah**  
 Dept. of Pol. Science, OU, Hyd - Member

**Prof. Sumita Roy**  
 Dept. of English, OU, Hyd - Member

  
**Dr.D. Vasundhara**  
 Retd. Principal, Govt. DC - Member (on behalf of CCE)



**PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN  
B.Sc. PROGRAM**

<b>FIRST YEAR SEMESTER-I</b>			
Code	Course Title	Course Type	Credits
BS101	Communication	AECC-1	2
BS102	English	CC-1A	5
BS103	Second Language	CC-2A	5
BS104	Optional - I	DSC-1A	5
BS105	Optional - II	DSC-2A	5
BS106	Optional - III	DSC-3A	5
<b>SEMESTER-II</b>			
BS201	Environmental Studies	AECC-2	2
BS202	English	CC-1B	5
BS203	Second Language	CC-2B	5
BS204	Optional - I	DSC-1B	5
BS205	Optional - II	DSC-2B	5
BS206	Optional - III	DSC-3B	5
<b>SECOND YEAR SEMESTER-III</b>			
BS301	A/B	SEC-1	2
BS302	English	CC-1C	5
BS303	Second Language	CC-2C	5
BS304	Optional - I	DSC-1C	5
BS305	Optional - II	DSC-2C	5
BS306	Optional - III	DSC-3C	5
<b>SEMESTER-IV</b>			
BS401	C/D	SEC-2	2
BS402	English	CC-1D	5
BS403	Second Language	CC-2D	5
BS404	Optional - I	DSC-1D	5
BS405	Optional - II	DSC-2D	5
BS406	Optional - III	DSC-3D	5
<b>THIRD YEAR SEMESTER-V</b>			
BS501	E/F	SEC-3	2
BS502		GE-1	5+1
BS503	Optional - I	DSC-1E	4
BS504	Optional - II	DSC-2E	4
BS505	Optional - III	DSC-3E	4
BS506	Optional - I A/B/C	DSE-1E	4
BS507	Optional - II A/B/C	DSE-2E	4
BS508	Optional - III A/B/C	DSE-3E	4

Telangana State Council of Higher Education, Govt. of Telangana  
B.Sc. CBCS Common Core Syllabi for All Universities in Telangana (wef 2016-'17)

SEMESTER-VI				
BS601	G/H	SEC-4	2	2
BS602		GE-2	5+1	6
BS603	Optional -I	DSC-1F	4	4
BS604	Optional -II	DSC-2F	4	4
BS605	Optional -III	DSC-3F	4	4
BS606	Optional -I A/B/C	DSE- 1F	4	4
BS607	Optional - II A/B/C	DSE-2F	4	4
BS608	Optional - III A/B/C	DSE-3F	4	4
	<b>TOTAL</b>		<b>172</b>	<b>172</b>

AECC: Ability Enhancement Compulsory Course;

SEC: Skill Enhancement Course;

DSC: Discipline Specific Course;


DSE: Discipline Specific Elective;

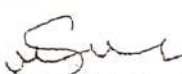
GE: Generic Elective; (inter disciplinary)


A, B, C, D Skill Enhancement Course

**SUMMARY OF CREDITS**


Sl. No.	Course Category	No. of Courses	Credits Per Course	Credits
1	AECC	2	2	4
2	SEC	4	2	8
3	CC Language	8	5	40
	DSC	12	5	60
	DSC	6	4	24
4	DSE	6	4	24
5	GE	2	6	12
	<b>TOTAL</b>	<b>40</b>		<b>172</b>
	<b>Optionals Total</b>	<b>24</b>		<b>108</b>


  
Prof. K. Venkata Chalam  
Vice-Chairman -I, TSCHE- Chairman

  
Prof. Sankasala Mallesh  
Vice-Chairman -II, TSCHE - Member


  
Prof. K. Sankaraiyah  
Dept. of Commerce, OU, Hyd-Member

Prof R. Sayanna  
Dept. of Phy.Science, OU, Hyd -Member

  
Prof. Nirmala Babu Rao  
Dept. of Botany, OU, Hyd - Member

  
Prof. M. Chenna Basavaiah  
Dept. of Pol. Science, OU, Hyd - Member


Prof. Sumita Roy  
Dept. of English, OU, Hyd - Member

  
Dr.D. Vasundhara  
Retd. Principal, Govt. DC - Member (on behalf of CCE)






Prof. K. Sankaraiah  
Dept. of Commerce, OU, Hyd-Member




Prof. Nirmala Babu Rao  
Dept. of Botany, OU, Hyd - Member

Prof. Sumita Roy  
Dept. of English, OU, Hyd - Member

Prof R. Sayanna  
Dept. of Phy.Science, OU, Hyd -Member



Prof. M. Chenna Basavaiah  
Dept. of Pol. Science, OU, Hyd - Member



Dr.D. Vasundhara  
Rettd. Principal, Govt. DC - Member(on behalf of CCE)

PROF. M.V. RANGA RAO  
REGISTRAR



OFFICE OF THE REGISTRAR  
KAKATIYA UNIVERSITY  
WARANGAL - 506 009

No. MUJ B2 KL 2016

Date: 11-11-2016

To

The Principals of University & Affiliated Colleges  
Offering U.G. & P.G. courses  
KAKATIYA UNIVERSITY

Sub - Implementation of Choice Based Credit System (CBCS) in P.G. & PG courses from the academic year 2016-2017. Work-shop on "Quality Momentum in Higher Education - CBCS as a synergistic approach" - Deputation of Academic Coordinator/Senior Faculty to the work-shop. - Regarding

Sir/Madam,

This is to inform you that the Higher Education Department, Government of Telangana, on the directions of the M.H.R.D., deliberated at various levels and took a decision to implement the Choice Based Credit System on a mandatory basis at UG & PG level for all the Colleges in the state. Hence, the implementation of CBCS is mandatory for all U.G. & P.G. courses in all Colleges under the jurisdiction of Kakatiya University from the academic year 2016-2017.

In order to bring awareness on CBCS, a work-shop on "Quality Momentum in Higher Education - CBCS as a synergistic approach" will be conducted on 22<sup>nd</sup> November, 2016 at 10.30 a.m. in the Senate Hall of Administrative Building on the University campus.

Hence, you are informed to depute Academic Co-ordinator/Senior faculty of the College, who can be helpful for implementing CBCS from the academic year 2016-2017 without fail.

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

Yours faithfully,

REGISTRAR

Copy to

1. The Secretary, Telangana State Council of Higher Education, Hyderabad for information.
2. The Dean, College Development Council, Academic Audit, KU
3. The Deans of Faculties of Arts/Commerce & Bus. Mgt./Science/Social Sciences, KU
4. The Controller of Examinations, KU
5. The Director, IQAC, KU
6. The Director, Campus Network/Website, KU, with a request to place the letter on the website
7. The Development Officer, KU, with a request to make arrangements for public address system on the day of the meeting.
8. The Public Relations Officer, KU, with a request to issue PRESS NOTE.





**KAKATIYA UNIVERSITY UG COURSES  
CHOICE BASED CREDIT SYSTEM (CBCS)  
RULES & REGULATIONS**

These Regulations shall be called Kakatiya University regulations governing Undergraduate Programmes under the Choice Based Credit System (CBCS). The Choice Based Credit System is offered only to the students admitted in Constituent Colleges and Affiliated Colleges of Kakatiya University from the Academic Year 2016-2017.

These Regulations shall come into force from the Academic Year 2016-2017

**1. Definitions:**

In these Regulations, unless the context otherwise requires:

- a. **“University”** means Kakatiya University.
- b. **“Undergraduate programmes”** means UG degree courses in the Faculties of Science, Arts, Social Sciences and Commerce.
- c. **“Student”** means student admitted to undergraduate programmes under these Regulations.
- d. **“Degree”** means undergraduate Degree.
- e. **“Board of Studies”** means UG Board of Studies of the University in the discipline/subjects concerned.
- f. **“Academic Senate”** means Academic Senate of Kakatiya University.
- g. **“Fee”** means the fee prescribed by the University for the Undergraduate Programmes from time to time.
- h. **“Credit”** means the unit by which the course work is measured. In these Regulations one credit means one hour of teaching work or two hours of practical work per week for 15 weeks in a Semester.
- i. **“Grade letter”** is an index to indicate the performance of a student in a particular course (Paper). It is the transformation of actual marks secured by a student in a course/paper. Grade letters are O, A, B, C, D, E, F.
- j. **“Grade Point”** is the weightage allotted to each grade letter depending on the range of marks awarded in a course/paper.
- k. **“Credit Points”** refer to the product of number of credits multiplied by the Grade Point for a given course/paper.
- l. **“Semester Grade Point Average (SGPA)”** refers to the performance of the student in a given semester. SGPA is based on the total credit points earned by

the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.

- m. “Cumulative Grade Point Average (CGPA)” refers to the Cumulative Grade Point Average weighted across all the semesters (6 semesters).

## **2. CHOICE BASED CREDIT SYSTEM (CBCS) IN UG COURSES**

### **Main features of the Choice Based Credit System (CBCS):**

- a. All the UG Departments in the Faculties of Science, Social Sciences, Arts, Commerce of the constituent and affiliated colleges of KU shall participate in this Choice Based Credit System (CBCS) from the academic year 2016-17.
- b. In the CBCS system continuous evaluation of the students in all the semesters is done through Internal Assessment Examinations, assignments, etc.
- c. Course contents of each UG programme are designed to meet the ever changing requirements of the industry/job market/needs of society.
- d. Each paper/course is assigned a specific number of credits and the marks secured by a student are converted into grade points and credit points. The performance of a student in a semester is expressed as Semester Grade Point Average (SGPA) and the combined performance of a student in all the six semesters of the UG programme is expressed as Cumulative Grade Point Average (CGPA).

### **CBCS Course Structure**

- a. UG Courses in the CBCS are offered within the Semester pattern.
- b. There shall be six semesters in each UG course. The duration of an Academic year consists of two semesters, each of 15 weeks of teaching.
- c. The Academic session in each semester will provide 90 teaching days.
- d. The period of the odd semesters shall be from July to November and the even semesters shall be from December to April.
- e. There shall be five categories of courses/papers in the UG programmes
  - i. AECC
  - ii. CC
  - iii. DSC
  - iv. DSE
  - v. SEC
  - vi. GE
- f. Each course/paper shall have a character code which indicates
  - i. The Department
  - ii. The Semester
  - iii. The course No./Paper No



- g. The detailed UG course structure for each Department will be designed by the UG Board of Studies of the Department and finalized by the Faculty and approved by the Standing Committee of the Academic Senate of the University from time to time.
- h. Skill Enhancement Course SEC (Choice Based): Each department shall offer one SEC paper in each of the Semesters III, IV, V and VI. Students shall choose one SEC paper from a pool of 3 for BA and BSc. based on their optionals. For B.Com the pool will consist of 2 SEC papers per semester out of which the student has to do only one.
- i. Generic Elective GE : Each department has to offer a Generic Elective in Semester VI to students of other departments. Student has to select one of them.

### 3. Attendance:

- a. 75% of attendance is compulsory for all students. A student shall be considered to have satisfied the requirement of attendance for appearing for the semester end examination, if he/she has attended not less than 75% of the number of classes held upto the end of the semester including tests and practicals etc.
- b. However, there is a provision for condonation of attendance for the students who have attendance between  $\geq 65\%$  and  $< 75\%$  on Medical Grounds on payment of a fee and production of medical certificate
- c. If a student represents his/her institution, University, State or Nation in Sports, NCC, NSS or Cultural or any other officially sponsored activities, he/she shall be eligible to claim the attendance for the actual number of days participated subject to a maximum of 20 days in a Semester based on the specific recommendations of the Head of the Department and Principal of the College concerned
- d. A student who does not satisfy the requirements of attendance shall not be permitted to take internal assessment as well as the Semester end examinations.

### 4. Medium of Instruction

The medium of instruction shall be English/Telugu/Urdu/Hindi

### 5. Award of Grades, SGPA, CGPA

Credits, Grade Letter, Grade Points and Credit Points

**Credit** means the unit by which the course work is measured. In these Regulations one credit means one hour of teaching work or two hours of practical work per week.

**Grade Letter** is an index to indicate the performance of a student in a particular course (Paper). It is the transformation of actual marks secured by a student in a course/paper. It is indicated by a Grade letter O, A, B, C, D, E, F. There is a **range of marks** for each Grade Letter. In case the student is absent for any exam, AB is indicated in the memo in place of the Grade Letter.

**Grade Point** is weightage allotted to each grade letter depending on the marks awarded in a course/paper

### Award of Grades

Range of Marks	Grade Letter	Grade Point
≥ 85 to 100	O	10
≥ 70 to < 85	A	9
≥ 60 to < 70	B	8
≥ 55 to < 60	C	7
≥ 50 to < 55	D	6
≥ 40 to < 50	E	5
< 40	F	0
Absent	AB	-

### Semester Grade Point Average (SGPA)

**Credit Points for the paper** = No. of Credits assigned for the paper x Grade Point secured for that course/Paper

**SGPA** indicates the performance of a student in a given Semester. SGPA is based on the total **credit points** earned by the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.

$$SGPA = \frac{\sum (LetterGradePoints) \times (Credits)}{\sum (Credits)}$$

$$CGPA = \frac{\sum (SGPA) \times (Credits)}{\sum (TotalCredits)}$$

**Note: SGPA is computed only if the candidate passes in all the papers (gets a minimum 'E' grade in all the Papers)**

The following examples illustrate the calculation of Grade Points, Credit Points and Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). The percentage of marks shown in column III is the marks secured by the student in the Internal Assessment and Semester End Examination put together.

Example: **BSc/B.com/BA - Semester – I**

Course/paper	Credits	% of Marks	Grade Letter	Grade Point	Credit Points = Credits x Grade Points)
Paper-I (Theory)	4	60	B	8	4 x 8 = 32
Paper-II (Theory)	4	50	D	6	4 x 6 = 24
Paper-III (Theory)	4	70	A	9	4 x 9 = 36
Paper-IV (Theory)	4	75	A	9	4 x 9 = 36
Paper-V (Practicals)*	4	75	A	9	4 x 9 = 36
Paper-VI (Practicals)*	4	80	A	9	4 x 9 = 36
Total	<b>24</b>				<b>200</b>



Note: \* : The number of practical papers and the credits assigned may vary from one Course to other.

Total Credit Points obtained for all the papers in the Semester-I = 200  
Total Credits assigned to all the papers in the Semester-I = 24

$$\text{SGPA} = \frac{\text{Total Credit Points in the Semester-I}}{\text{Total Credits in the Semester-I}} = \frac{200}{24} = 8.33$$

**SGPA for Semester- I = 8.33**

Similarly, semester II, III, IV, V and VI should be calculated as per the above procedure.

### **Cumulative Grade Point Average (CGPA)**

CGPA refers to the Cumulative Grade Point Average weighted across all the semesters (6 Semesters). CGPA is obtained by dividing the total number of credit points (CPts) in all the semesters by the total number of credits in all the Semesters. The final result at the end of all the semesters is declared in the form of CGPA.

**Note: CGPA is calculated only when the candidate passes in all the papers of all the semesters.**

Example: BSc/B.Com/B.A

I Semester:	Total CPts	=	200	Total Credits	=	24
II Semester:	Total CPts	=	212	Total Credits	=	24
III Semester:	Total CPts	=	213	Total Credits	=	25
IV Semester:	Total CPts	=	218	Total Credits	=	26
V Semester:	Total CPts	=	216	Total Credits	=	24
VI Semester:	Total CPts	=	210	Total Credits	=	22

$$\text{CGPA} = \frac{\sum \text{Total CPts of Semester I, II, III, IV, V, VI}}{\sum \text{Total Credits of Semester I, II, III, IV, V, VI}}$$

In the present example.

$$\text{CGPA} = \frac{200+212+213+218+216+210}{24+24+25+26+24+22} = \frac{1269}{145} = 8.75$$

### **8. Evaluation Method**

- Semester End Examination of Ability Enhancement Compulsory Course (AECC) shall be conducted by the University and its marks shall be a part of SGPA and CGPA.
- AECC has 2 credits and will be evaluated for **50 marks: 10 marks internal assessment** (10 MCQs and 10 FIBs of half mark each); **40 marks for Semester End exam** (Section A: 10 marks - 2 short answers of 5 marks each, one from each unit; Section B: 30 marks - 2 long answers of 15 marks each, from each unit with internal choice).

- (AECC - I Course: Environmental Studies - The framing of syllabi, question paper, paper setting, panel of examiners and other confidential related work will be taken up by the Chairperson, BoS in Environmental Studies and AECC - II Course: Gender Sensitization - the framing of syllabi, question paper, paper setting, panel of examiners and other confidential related work will be taken up by the Chairperson, BoS in Sociology.)
- C. Pattern of internal evaluation in UG Core and Elective papers (4 and 5 credit courses / papers) is **2 internal assessment tests of 15 marks each to be averaged and 1 assignment of 5 marks for a total of 20 marks**. Each internal assessment question paper consists of 10 MCQs of ½ mark each; 10 FIBs of ½ mark each; 5 short answers of 1 mark each.
- D. No assignments for any 3 credit core / elective course / paper.
- E. **NO INTERNAL EXAM for practical courses. Each 1 Credit Practical examination is** evaluated at the end of the semester for **25 marks**. Evaluation by internal examiners for I, III & V Semesters and for II, IV & VI End Semesters by external examiners.
- F. Pattern of Semester End Exam for UG Core and Elective papers( 4 and 5 credit courses / papers):
- a) **For Arts, Commerce, and Social Sciences:**
    - i. **5 Credit Course / Paper (80 marks):** Section ‘A’ (20 marks) consists of 8 Short Answer Questions (at least one from each unit) out of which 5 questions are to be answered. Each question carries 4 marks. Section ‘B’ (60 marks) - 5 long answer / essay type questions of 12 marks each with internal choice (2 to be set per unit).
    - ii. **4 Credit Course / Paper (80 marks):** Section ‘A’ (20 marks) consists of 8 Short Answer Questions (two from each unit) out of which 5 questions are to be answered. Each question carries 4 marks. Section ‘B’ (60 marks) - 4 long question answer / essay type questions with internal choice (2 to be set per unit). Each question carries 15 marks.
  - b) **For Science:**
    - i. **4 Credit Course / Paper: (80 marks):** Section ‘A’ (20 marks) consists of 8 Short Answer Questions (two from each unit) out of which 5 questions are to be answered. Each question carries 4 marks. Section ‘B’ (60 marks) - 4 long question answer / essay type questions with internal choice (2 to be set per unit). Each question carries 15 marks.
    - ii. **3 Credit Course / Paper (60 marks):** Section ‘A’ (15 marks) – consists of 8 Short Answer Questions (at least two from each unit) out of which 5 questions are to be answered. Each question carries 3 marks. Section ‘B’ (45 marks) - 3 long answer/essay type questions of 15 marks each with internal choice (2 to be set per unit).

**The marks secured by the student in the Internal tests, assignments, Seminars, practicals, project work and semester-end examinations are converted into SGPA and CGPA.**

**9. Improvement of Grades and Completion of the Course:**

Candidates who have passed in a theory paper/papers are allowed to appear again for theory paper/papers only once in order to improve his/her grade, by paying the fee prescribed by the University. If a candidate improves his/her grade, then his/her improved grade will be taken into consideration for the award of SGPA only. Such improved grade will not be counted for the award of prizes/medals, Rank and Distinction. If the candidate does not show improvement in the grade, his/her previous grade will be taken into consideration. Candidates will not be allowed to improve marks/grade in the internal assessment, seminars and Project Work.

**10. Promotion, Re-admission Rules & Maximum Time for Completion of Course:**

**A. Rules of promotion are given below:**

Sl. No.	Semester	Conditions to be fulfilled for Promotion	
a.	From Semester-I to Semester-II	Undergone a Regular Course of Study of Semester-I and registered* for the Semester-I examination, should appear at least one paper in Semester-I.	
b.	From Semester-II to Semester-III	a) Undergone a Regular Course of study of Semesters-I and II. and b) The number of backlogs if any, of Semester-I and II taken together, shall not exceed 50% of the total number of papers/subjects prescribed for Semesters-I and II.	
		Number of papers/ subjects prescribed for Semesters-I & II	Number of backlogs permitted
		BA 12 B.Sc 18 B.Com 14	6 9 7
c.	From Semester-III to Semester-IV	Undergone a Regular Course of study of Semester-III and registered* for Semester-III examination, should appear at least one paper in Semester-III.	
d.	From Semester IV to V	a) Undergone a Regular Course of study of Semesters-I, II, III and IV b) The number of backlogs if any, of Semester-I, II, III and IV taken together, shall not exceed 50% of the total number of papers/subjects prescribed for Semesters-I, II, III and IV.	
		Number of papers/ subjects prescribed for Semesters-I, II, III and IV	Number of backlogs permitted
		BA 24 B.Sc 36 B.Com 28	12 18 14
e.	From Semester-V to Semester-VI	Undergone a Regular Course of study of Semester-V and registered* for Semester-V examination, should appear at least one paper in Semester-V.	



\* Registration means obtaining a Hall Ticket for the said examination.

**B. The procedure to be followed for granting readmission to the students in the following cases:**

- i. A student who did not put in the required attendance in a semester/year of a course and thus detained
- ii. A student who did not pass in the required number of papers and thus detained
- iii. A student after completing a semester/year did not continue their studies in the next immediate semester/year on personal /health grounds but desired to continue his/her studies after a short break
- iv. A student who has put in not less than 40% of attendance in a Semester and not registered for the examination, can take re-admission in the same semester
- v. Candidates who, after completing a semester / year of the course but taken T.C to join some other course and come back to continue the earlier course

In all the above cases, readmission is permissible provided they are within the period of three years. Further, the approval of the university has to be obtained in respect of those students who take TC to join some other course and come back for readmission in the same college

All the readmissions including such of those students, who take TC and come back, shall be granted by the Principals of the concerned colleges directly subject to the fulfillment of the following conditions stipulated by the University.

- i. they should have been promoted to next higher class/semester in which they are seeking readmission
- ii. they should join the course within 4 weeks in case of semester system from the date of commencement of classes
- iii. they should be able to complete the course within five years from the year of their original admission.
- iv. they should pay the readmission fee as prescribed by the University

**NOTE: No readmission shall be made after the cut off date (4<sup>th</sup> week in a 15 week semester) under any circumstances. The cutoff date for granting readmission shall be reckoned from the date of commencement of classes for different courses as per the almanac communicated by the University every year.**

- v. In the normal course of time a candidate is expected to complete UG Degree course within three years from the date of admission.

- vi. Whenever the syllabus is revised, the candidate reappearing shall be allowed for UG Degree examinations according to the old syllabus up to 5 years from the time of his/her admission.
- vii. The six-semester three -year course should be completed by a student within 5 years (3 + 2) as per the guidelines of UGC approved by Kakatiya University Standing Committee of the Academic Senate on 28-01-2016.
- viii. Any student from earlier year-wise UG programme seeking readmission from the academic year 2017-18 onwards will have to opt for CBCS semester system.

11. **Effective Implementation of CBCS system**

- i. The University shall issue such orders, instructions, procedures and prescribe such format as it may deem fit to implement the provisions of these Regulations.
- ii. The procedural details/logistics will be given by the University from time to time
- iii. Any unforeseen problems/difficulties will be resolved by the appropriate Bodies of the University, whose decision in the matter shall be final.
- iv. All CBCS programmes including logistics shall be monitored by a **Central office** established for this purpose and a separate **CBCS Almanac** will be issued by the University.





**KAKATIYA UNIVERSITY**  
**UG COURSES**  
**CHOICE BASED CREDIT SYSTEM (CBCS)**  
**2019 - 2020**  
**RULES & REGULATIONS**

These Regulations shall be called Kakatiya University regulations governing Undergraduate Programmes under the Choice Based Credit System (CBCS non-professional). The Choice Based Credit System is offered only to the students admitted in Constituent Colleges and Affiliated Colleges of Kakatiya University from the Academic Year 2019-2020.

These Regulations shall come into force from the Academic Year 2019-2020

**1. Definitions:**

In these Regulations, unless the context otherwise requires:

- a. **“University”** means Kakatiya University
- b. **“Undergraduate programmes”** means UG degree courses in the Faculties of Science, Arts, Social Sciences and Commerce
- c. **“Student”** means student admitted to undergraduate programmes under these Regulations
- d. **“Degree”** means undergraduate three year bachelor's programme (non professional)
- e. **“Board of Studies”** means undergraduate Board of Studies of the University in the discipline /subjects Concerned (CBCS non-professional)
- f. **“Academic Senate”** means Academic Senate of Kakatiya University
- g. **“Fee”** means the fee prescribed by the University for the Undergraduate Programmes from time to time
- h. **“Credit”** means the unit by which the course work is measured, in these Regulations one credit means one hour of teaching work or two hours of practical work per week for 15 weeks in a Semester
- i. **“Grade letter”** is an index to indicate the performance of a student in a particular course (Paper). It is the transformation of actual marks secured by a student in a course/paper. Grade letters are O, A, B, C, D, E, F
- j. **“Grade Point”** is the weightage allotted to each grade letter depending on the range of marks awarded in a course/paper.
- k. **“Credit Points”** refer to the product of number of credits multiplied by the Grade Point for a given course/paper
- l. **“Semester Grade Point Average” (SGPA)** refers to the performance of the student in a given semester. SGPA is based on the total credit points earned by the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.

- m. “**Cumulative Grade Point Average**” (CGPA) refers to the Cumulative Grade Point Average weighted across all the semesters (6 semesters).

## **2. CHOICE BASED CREDIT SYSTEM (CBCS) IN UG COURSES:**

### Main features of the Choice Based Credit System (CBCS):

- a. All the UG Departments in the Faculties of Science, Social Sciences, Arts, Commerce of the constituent and affiliated colleges of KU shall participate in this Choice Based Credit System (CBCS) from the academic year 2019-2020.
- b. In the CBCS system continuous evaluation of the students in all the semesters is done through Internal Assessment Examinations, assignments etc.
- c. Course contents of each UG programme are designed to meet the ever changing requirements of the industry/job market/needs of society.
- d. Each paper/course is assigned a specific number of credits and the marks secured by a student are converted into grade points and credit points. The performance of a student in a semester is expressed as Semester Grade Point Average (SGPA) and the combined performance of a student in all the six semesters of the UG programme is expressed as Cumulative Grade Point Average (**CGPA**).

### **CBCS Course Structure**

- a. UG Courses in the CBCS are being offered in Semester pattern
  - b. There shall be six semesters in each UG course. The duration of an Academic year consists of two semesters, each of 15 weeks of teaching.
  - c. The Academic session in each semester will provide 90 teaching days.
  - d. The period of the odd semesters shall be from July to November and the even semesters shall be from December to April.
  - e. There shall be seven categories of courses/papers in the UG programmes:
    - i. DSC (Discipline Specified Course)
    - ii. DSE (Discipline Specified Elective)
    - iii. Language
    - iv. AECC (Ability Enhancement Compulsory Course)
    - v. SEC (Skill Enhancement Course)
    - vi. GE (Generic Elective)
    - vii. Project
- The details of this courses / Papers are given in summary sheet as Annexure - I
- f. Each course/paper shall have a character code which indicates
    - i. The Department
    - ii. The Semester
    - iii. The course No. /Paper No.

- g. The detailed UG course structure for each Department will be designed by the UG Board of Studies of the Department and finalized by the Faculty and approved by the Standing Committee of the Academic Senate of the University from time to time.

**h. Skill Enhancement Course SEC (Choice Based):**

Skill Enhancement Course (SEC) the student of B.A. /B.Sc shall choose two SEC papers in each of III and IV semester such that at least one from the SEC papers being offers by three core subjects in B.A and B.Sc whereas total of tone SEC papers out of 12 paper in BBA and B.Com each SEC paper carries two credits.

**i. Generic Elective GE:**

The student shall choose one GE paper in V Semester from the paper being offered by the other faculty. GE paper carries four credits.

**3. Attendance:**

- a. 75% of attendance is compulsory for all students. A student shall be considered to have satisfied the requirement of attendance for appearing for the semester end examination, if he/she has attended not less than 75% of the number of classes held upto the end of the semester including tests and practicals etc.
- b. However, there is a provision for condonation of attendance for the students who have attendance between 65% and <75% on Medical Grounds on payment of prescribed fee and production of medical certificate.
- c. If a student represents his/her institution, University, State or Nation in Sports, NCC, NSS or Cultural or any other officially sponsored activities, he/she shall be eligible to claim the attendance for the actual number of days participated subject to a maximum of 20 days in a Semester based on the specific recommendations of the Head of the Department and Principal of the College concerned.
- d. A student who does not satisfy the requirement of attendance shall not be permitted to take internal assessment as well as the Semester end examinations.

**4. Medium of Instruction**

The medium of instruction shall be English/Telugu/Urdu/Hindi

**5. Award of Grades, SGPA, CGPA**

Credits, Grade Letter, Grade Points and Credit Points

**Credit** means the unit by which the course work is measured. In these Regulations one credit means one hour of teaching work or two hours of practical work per week.

**Grade Letter** is an index to indicate the performance of a student in a particular course (Paper). It is the transformation of actual marks secured by a student in a course/paper. It is indicated by a Grade letter O, A, B, C, D, E, F, There is a **range of marks** for each Grade Letter, In case the student is absent for any exam, Ab is indicated in the memo in place of the Grade Letter.

**Grade Point** is weightage allotted to each grade letter depending on the marks awarded in a course/paper



### Details of Award of Grades Under Choice Based Credit System (CBCS NP)

Award of Grades			Award of Division		
Range of % of Marks	Grade Letter	Grade Point	CGPA Grade	Range of marks (%)	Division
>85to100	O	8.5 - 10	7.00 -10.00	70 -100	First with Distinction
>70to<85	A	7.0 - 8.49	6.00 -6.99	60 - 69	FIRST
>60to<70	B	6.0 - 6.99	5.00 -5.99	50 - 59	SECOND
>55to<60	C	5.5 – 5.99	4.00 -4.99	40 - 49	PASS
>50to<55	D	5.0 – 5.49			
>40to<50	E	4.0 – 4.99			
<40	F	0.0			
Absent	Ab	-			

### Semester Grade Point Average (SGPA)

Credit Points for the paper = No. of Credits assigned for the paper x Grade Point secured for that course/Paper

SGPA indicates the performance of a student in a given Semester. SGPA Is based on the total credit points earned by the student in all the courses and the total number of credits assigned to the courses/papers in a Semester.

$$SGPA = \frac{\sum (\text{Letter Grade Points}) \times (\text{Credits})}{\sum (\text{Credits})}$$

$$CGPA = \frac{\sum (SGPA) \times (\text{Credits})}{\sum (\text{Total Credits})}$$

**Note: SGPA is computed only if the candidate passes in all the papers (gets a minimum 'E' grade in all the Papers)**

The following examples illustrate the calculation of Grade Points, Credit Points and Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). The percentage of marks shown in column III is the marks secured by the student in the Internal Assessment and Semester End Examination put together.

Example: B.Sc /B.com/BA - Semester - I

Course/paper	Credits	% of Marks	Grade Letter	Grade Point	Credit Points = Credits x Grade Points
Paper - I (Theory)	4	60	B	6.0	4 x 6 = 24
Paper – II (Theory)	4	50	D	5.0	4 x 5= 20
Paper – III (Theory)	4	70	A	7.0	4 x 7 = 28
Paper - IV (Theory)	4	75	A	7.5	4 x 7.5= 30
Paper – V (Practical's)*	4	75	A	7.5	4 x 7.5 = 30
Paper - VI (Practical's)*	4	80	A	8.0	4 x 8 = 32
<b>Total</b>	<b>24</b>				<b>164</b>

Note\*: The number of practical papers and the credits assigned may vary from one Course to other.

Total Credit Points obtained for all the papers in the Semester-I = 174  
Total Credits assigned to all the papers in the Semester-I = 25

$$\text{SGPA} = \frac{\text{Total Credit Points in the Semester-I}}{\text{Total Credits in the Semester-I}} = 174/25 = 6.96$$

**SGPA for Semester - I = 6.96**

Similarly, semester II, III, IV, V and VI should be calculated as per the above procedure.

### **Cumulative Grade Point Average (CGPA)**

CGPA refers to the Cumulative Grade Point Average weighted across all the semesters (6 Semesters). CGPA is obtained by dividing the total number of credit points (CPts) in all the semesters by the total number of credits in all the Semesters. The final result at the end of all the semesters is declared in the form of CGPA.

**Note: CGPA is calculated only when the candidate passes in all the papers of all the semesters.**

Example: B.Sc./B.Com./B.A./B.B.A			Credits Under Non- CGPA		
				NSS/NC C/Sports / Extra curricular	Summer Internship
I Semester:	Total CPts = 200	Total Credits = 25	I Year	2	2
II Semester:	Total CPts = 212	Total Credits = 25			
III Semester:	Total CPts = 213	Total Credits = 25	II Year	2	2
IV Semester:	Total CPts = 218	Total Credits = 25			
V Semester:	Total CPts = 216	Total Credits = 25	III Year	2	-
VI Semester:	Total CPts = 210	Total Credits = 25			

$$\text{CGPA} = \frac{\sum \text{Total CPts of Semester I, II, III, IV, V, VI}}{\sum \text{Total Credits of Semester I, II, III, IV, V, VI}}$$

In the present example

$$\text{CGPA} = \frac{200+212+213+218+216+210}{24+24+25+26+24+22} = 1269/145 = 8.75$$

## 8. EVALUATION METHOD

1. Semester End Examination of Ability Enhancement Compulsory Course (AECC)  
Shall be conducted by the University and its marks shall be a part of SGPA and CGPA.
2. AECC has 2 credits and will be evaluated for 50 marks: 10 marks internal assessment (10 MCQs and 10 FIBs of half mark each); 40 marks for Semester End exam (Section A: 10 marks - 2 short answers of 5 marks each, one from each unit: Section 8: 30 marks - 2 long answers of 15 marks each, from each unit with internal choice).  
(AECC I Course: Environmental Studies - The framing of syllabi, question paper, paper setting, panel of examiners and other confidential related work will be taken up by the Chairperson, BoS in Environmental Studies and AECC - II Course: Gender sensitization- the framing of syllabi, question paper, paper setting, panel of examiners and other confidential related work will be taken up by the Chairperson, BoS in Sociology.)
3. Pattern of internal evaluation in UG Core and Elective papers (4 and 5 credit courses/ papers) is **2 internal assessment tests of 15 marks each to be averaged and 1 assignment of 5 marks for a total of 20 marks**. Each internal assessment question paper consists of 10 MCQs of 1/2 mark each; 10 FIBs of 1/2 mark each; 5 short answers of 1 mark each.
4. No assignments for any 3 credit core/elective course/paper.
5. **NO INTERNAL EXAM for practical courses**. Each I Credit Practical examination is evaluated at the end of the semester for 25 marks. Evaluation by internal examiners for I, III & V Semesters and for II, IV & VI End Semesters by external examiners.
6. Pattern of Semester End Exam for UG Core and Elective papers (4 and 5 credit courses/papers):

### a. For ARTS, COMMERCE AND SOCIAL SCIENCES:

- i. **5 Credit Course/Paper (80 marks):** Section 'A' (20 marks) consists of 8 Short Answer Questions (at least one from each unit) out of which 5 questions are to be answered. Each question carries 4 marks. Section 'B' (60 marks) - 5 long answer / essay type questions of 12 marks each with internal choice (2 to be set per unit).
- ii. **4 Credit Course / Paper (80 marks):** Section 'A' (20 marks) consists of 8 Short Answer Questions (two from each unit) out of which 5 questions are to be answered. Each question carries 4 marks. Section 'B' (60 marks) - 4 long question answer/essay type questions with internal choice (2 to be set per unit). Each question carries 15 marks.

### b. For SCIENCE:

- i. **4 Credit Course/ Paper (80 marks):** Section 'A' (20 marks) consists of 8 Short Answer Questions (two from each unit) out of which 5 questions are to be answered. Each question carries 4 marks. Section 'B' (60 marks) - 4 long question answer/essay type questions with internal choice (2 to be set per unit). Each question carries 15 marks.



- ii. **3 Credit Course/Paper (60 marks):** Section 'A' (15 marks) — consists of 8 Short Answer Questions (at least two from each unit) out of which 5 questions are to be answered. Each question carries 3 marks. Section B' (45 marks) - 3 long answer/essay type questions of 15 marks each with internal choice (2 to be set per unit). . –

**The marks secured by the student in the Internal tests, assignments, Seminars, practical's, project work and semester-end examinations are converted into SGPA and CGPA.**

#### **9. Improvement of Grades and Completion of the Course:**

- i. Candidates who have passed in to the immediate next examination after of all papers are cleared theory paper/papers are allowed to appear again for theory paper/papers only once in order to improve his/her grade, by paying the fee prescribed by the University. If a candidate improves his/her grade, then his/her improved grade will be taken into consideration for the award of SGPA only. Such improved grade will not be counted for the award of prizes/medals, Rank and Distinction. If the candidate does not show improvement in the grade, his/her previous grade will be retained. Candidates will not be allowed to improve marks/grade in the Internal Assessment Seminars and Project Work

#### **10. Promotion, Re-admission Rules & Maximum Time for Completion of Course:**

A. Rules of promotion are given below:

Sl. No.	Semester	Conditions to be fulfilled for Promotion	
1.	From Semester – I to Semester – II	Undergone a Regular Course of Study of Semester – I and registered* for the Semester – I examination.	
2.	From Semester – II to Semester – III	a) Undergone a Regular Course of Study of Semester – I & II and b) The number of backlogs if any, of Semester- I & II taken together shall not exceed 50% of the total number of papers/subjects prescribed for semesters -I & II together	
		Number of papers/subjects prescribed for Semesters- I & II	Number of Backlogs permitted
		B.A. 12	6/7
		B. Sc. 18	9
		B.Com. 14	7
3.	From Semester – III to Semester – IV	Undergone a Regular Course of Study of Semester – III and registered* for the Semester – III examination.	
4.	From Semester – IV to Semester – V	a) Undergone a Regular Course of Study of Semester – I, II, III & IV and b) The number of backlogs if any, of Semester- I,II,III & IV taken together, shall not exceed 50% of the total number of papers/subjects prescribed for semesters - I,II,III & IV	
		Number of papers/subjects prescribed for Semesters- I,II,III & IV	Number of Backlogs permitted
		B.A. 24	12/14
		B. Sc. 36	18
		B.Com. 28	14
5.	From Semester – V to Semester – VI	Undergone a Regular Course of Study of Semester – V and registered* for the Semester – V examination.	

\* Registration means obtaining a Hall Ticket for the said examination.

The procedure to be followed for granting readmission to the students in the following cases:

- (1) A student, who did not put in the required attendance in a semester/year of a course and thus detained
- (2) A student, who did not pass in the required number of papers and thus detained
- (3) A student, after completing a semester/year did not continue their studies in the next immediate semester/year on personal/health grounds but desired to continue his/her studies after a short break
- (4) A student, who has put in not less than 40% of attendance in a Semester and not registered for the examination, can take re-admission in the same semester.
- (5) Who has taken T.C. to join some other course after completing a semester/year of the course and come back to continue the earlier course

May be permitted for readmission to continue their studies with the approval from the University administration.

All the readmissions including such of those students who took TC and come back, shall be granted by the Principals of the concerned colleges directly subject to the fulfillment of the following conditions stipulated by the University.

- 1) they should have been promoted to next higher class/semester in which they are seeking readmission.
- 2) they should join the course within 4 weeks in case of semester system from the date of commencement of classes
- 3) they should be able to complete the course within Six years from the year of their original admission.
- 4) they should pay the readmission fee as prescribed by the University

**NOTE: No readmission shall be made after the cutoff date (4 week in a 15 week semester) under any circumstances. The cutoff date for granting readmission shall be reckoned from the date of commencement of classes for different courses as per the almanac communicated by the University every year.**

- 5) In the normal course of time a candidate is expected to complete UG three year Degree course within six years from the date of admission.
- 6) Whenever the syllabus is revised, the candidate shall be allowed reappearing for UG Degree examinations according to the old syllabus two subsequent examinations i.e. supple of semester for End examination

- 7) The six-semester three -year course should be completed by a student within 5 years (3+2) as per the guidelines of UGC approved by Kakatiya University Standing Committee of the Academic Senate on 28-01-2016.
- 8) Any student from earlier year-wise UG programme seeking readmission from the academic year 2017-18 onwards will have to opt for CBCS semester system.
- 9) If a student studied first year in year wise scheme and discontinued, then the student may be given readmission if required, in CBCS pattern by submitting the first year paper into semester papers for compelling the course by the recommendation of chairman BOS and Dean. The student may be awarded degree CBCS pattern after completion of its course.
- 10) If a student studied first year in UG year wise scheme and discontinued. Then the student may be given readmission if requested, in third year in CBCS pattern by completing the V & VI semester papers into equaling year wise papers in year wise scheme. The student may be awarded degree in year wise scheme after completion of the course.

#### **11. Effective Implementation of CBCS system**

- i. The University shall issue such orders, instructions, procedures and prescribe such format as it may deem fit to implement the provisions of these Regulations.
- ii. The procedural details/logistics will be given by the University from time to time.
- iii. Any unforeseen problems/difficulties will be resolved by the appropriate 'Bodies of the University, whose decision in the matter shall be final.
- iv. All CBCS programmes including logistics shall be monitored by a Central office established for this purpose and a separate CBCS almanac will be issued by the University.

# **B.Com.**

## **(GENERAL)**

### **(CBCS)**



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

*2019-2020*



## B.COM (GENERAL)

### CBCS COURSE STRUCTURE

<i>Sl.No.</i>	<i>Code</i>	<i>Course Title</i>	<i>HPW</i>	<i>Credits</i>	<i>Exam Hrs</i>	<i>Marks</i>
(1)	(2)	(3)	(5)	(6)	(7)	(8)
		<b>I Year I Semester</b>				
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
		<b>Total</b>	<b>25</b>	<b>25</b>		
		<b>I Year II Semester</b>				
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
		<b>Total</b>	<b>25</b>	<b>25</b>		
		<b>II Year I Semester</b>				
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
		<b>Total</b>	<b>25</b>	<b>25</b>		

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

<b>Sl.No.</b>	<b>Code</b>	<b>Course Title</b>	<b>HPW</b>	<b>Credits</b>	<b>Exam Hrs</b>	<b>Marks</b>
(1)	(2)	(3)	(5)	(6)	(7)	(8)
		<b>II Year II Semester</b>				
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3	Practice of General Insurance/ Social Media Marketing 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	Corporate Accounting	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>25</b>	<b>25</b>		
		1				
		<b>III Year I Semester</b>				
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/ 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	Auditing/ Advanced Corporate Accounting/ Financial Management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>27/25</b>	<b>25</b>		
		<b>III Year II Semester</b>				
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 +15V V
36.	DSE601	a) Cost Control and Management Accounting/ Financial control/ Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	Theory and Practice of GST/ Financial Decision Making-II / International Auditing	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	Accounting Standards/ Corporate Governance/ Investment management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>29/27</b>	<b>25</b>		
		<b>GRAND TOTAL</b>	<b>156/152</b>	<b>150</b>		

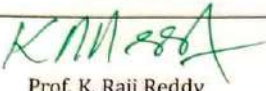
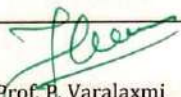
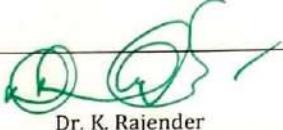
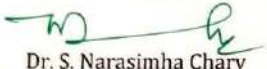



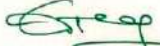

**Faculty of Commerce & Business Management, Kakatiya University, Warangal.**

**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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	<b>Commerce</b>	<b>24</b>		<b>106</b>
<b>CREDITS UNDER NON-CGPA</b>		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. Somaiah	 Dr. S. Narayana Swamy
 Dr. Ramavath Ravi	 Dr. D. Thiruvengala Chary	 Dr. G. Shashidhar Rao

**Paper DSC 101: FINANCIAL ACCOUNTING – I**

**Objective:** To acquire conceptual knowledge of basics of Accounting and preparation of final accounts of sole trader.

**UNIT-I: ACCOUNTING PROCESS:**

Financial Accounting: Introduction – Definition – Evolution – Functions - Advantages and Limitations – Users of Accounting Information - Branches of Accounting – Accounting Principles: Concepts and Conventions - Accounting Standards – Meaning – Importance – List of Accounting Standards issued by ASB - Accounting System - Types of Accounts – Accounting Cycle – Journal - Ledger and Trial Balance (Including problems)

**UNIT-II: SUBSIDIARY BOOKS:**

Meaning –Types: Purchases Book - Purchases Returns Book - Sales Book - Sales Returns Book - Bills Receivable Book - Bills Payable Book – Cash Book: Single Column, Two Column, Three Column and Petty Cash Book - Journal Proper (Including problems)

**UNIT-III: BANK RECONCILIATION STATEMENT:**

Meaning - Need - Reasons for differences between cash book and pass book balances – Favourable and over draft balances – Ascertainment of correct cash book balance (Amended Cash Book) - Preparation of Bank Reconciliation Statement (Including problems)

**UNIT-IV: RECTIFICATION OF ERRORS AND DEPRECIATION:**

Capital and Revenue Expenditure – Capital and Revenue Receipts: Meaning and Differences - Differed Revenue Expenditure. Errors and their Rectification: Types of Errors - Suspense Account – Effect of Errors on Profit (Including problems)

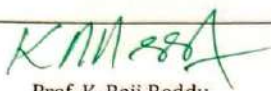
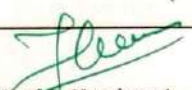

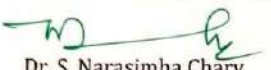



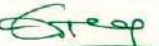
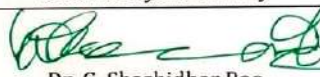
**Depreciation (AS-6):** Meaning – Causes – Difference between Depreciation, Amortization and Depletion - Objectives of providing for depreciation – Factors affecting depreciation – Accounting Treatment – Methods of depreciation: Straight Line Method - Diminishing Balance Method (Including problems)

**UNIT-V: FINAL ACCOUNTS:**

Final Accounts of Sole Trader: Meaning - Uses - Preparation of Manufacturing, Trading and Profit & Loss Account and Balance Sheet – Adjustments – Closing Entries (Including problems)

**SUGGESTED READINGS:**

1. Accountancy-I: Haneef and Mukherjee, Tata McGraw Hill Company.
2. Principles & Practice of Accounting: R.L.Gupta&V.K.Gupta, Sultan Chand.
3. Accountancy-I: S.P. Jain & K.L Narang, Kalyani Publishers.
4. Accountancy-I: Tulasian, Tata McGraw Hill Co.
5. Advanced Accountancy-I: S.N.Maheshwari& V.L.Maheswari, Vikas.
6. Financial Accounting: Jawahar Lal, Himalaya Publishing House.

 Prof. K. Raji Reddy	 Prof. P. 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



**Paper DSC 102: BUSINESS ORGANISATION AND MANAGEMENT**

**Objective:** To acquaint the students with the basics of Commerce and Business concepts and functions, forms of Business Organization and functions of Management.

**UNIT-I: INTRODUCTION AND FORMS OF BUSINESS ORGANISATIONS:**

Concepts of Business, Trade, Industry and Commerce - Objectives and Functions of Business - Social Responsibility of a Business - Forms of Business Organization - Meaning, Characteristics, Advantages and Disadvantages of Sole Proprietorship - Meaning, Characteristics, Advantages and Disadvantages of Partnership - Kinds of Partners - Partnership Deed - Concept of Limited Liability Partnership - Meaning, Characteristics, Advantages and Disadvantages of Hindu Undivided Family - Meaning, Advantages and Disadvantages of Co-Operative Organization

**UNIT-II: JOINT STOCK COMPANY:**

Joint Stock Company - Meaning - Definition - Characteristics - Advantages and Disadvantages - Kinds of Companies - Promotion - Stages of Promotion - Promoter - Characteristics - Kinds - Preparation of Important Documents - Memorandum of Association - Clauses - Articles of Association - Contents - Prospectus - Contents - Red herring Prospectus- Statement in lieu of Prospectus (As per Companies Act, 2013)

**UNIT-III: INTRODUCTION TO FUNCTIONS OF MANAGEMENT:**

Management - Meaning - Characteristics - Functions of Management - Levels of Management - Skills of Management- Scientific Management - Meaning - Definition - Objectives - Criticism - Fayol's 14 Principles of Management

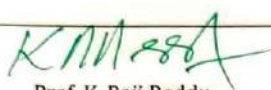
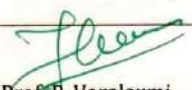
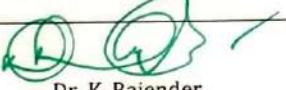
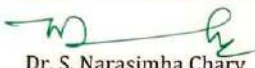
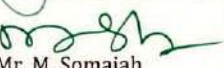

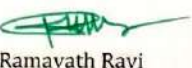


**UNIT-IV: PLANNING AND ORGANISING:** Meaning - Definition - Characteristics - Types of Plans - Advantages and Disadvantages - Approaches to Planning - Management by Objectives (MBO) - Steps in MBO - Benefits - Weaknesses - Definition of Organizing - Organization - Process of Organizing - Principles of Organization - Formal and Informal Organizations - Line, Staff Organizations - Line and Staff Conflicts - Functional Organization - Span of Management - Meaning - Determining Span - Factors influencing the Span of Supervision

**UNIT-V: AUTHORITY, COORDINATION AND CONTROL:**

Meaning of Authority, Power, responsibility and accountability - Delegation of Authority - Decentralization of Authority - Definition, importance, process, and principles of Coordination - techniques of Effective Coordination - Control - Meaning - Definition - Relationship between planning and control - Steps in Control - Types (post, current and pre-control) - Requirements for effective control

**SUGGESTED READINGS:**

1. Business Organization & Management: Sharma Shashi K. Gupta, Kalyani Publishers
2. Business Organisation & Management: Patrick Anthony, Himalaya Publishing House
3. Business Organization & Management: Dr. Manish Gupta, PBP.
4. Modern Business Organization: S.A. Sherlekar, V.S. Sherlekar, Himalaya Publishing House
5. Business Organization & Management: C.R. Basu, Tata McGraw Hill
6. Organizational Behaviour Text & Cases: V.S.P. Rao, Himalaya Publishing House
7. Business Organization & Management: Uma Shekaram, Tata McGraw Hill
8. Business Organization & Management: Niranjan Reddy & Surya Prakash, Vaagdevi publishers
9. Business Organisation and Management, Dr. NeeruVasith, Tax Mann Publications.

 Prof. K. Raji Reddy	 Prof. P. 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

## Paper DSC 103: FOREIGN TRADE

**Objective:** To gain knowledge of India's foreign trade procedures policies, and international institutions.

### UNIT-I: INTRODUCTION:

Foreign Trade: Meaning and Definition - Types - Documents used - Commercial Invoice - Bills of Lading / Airway Bill - Marine Insurance Policy and Certificate - Bills of Exchange - Consumer Invoice - Customs Invoice - Certificate of Origin - Inspection Certificate - Packing List

### UNIT-II: BALANCE OF TRADE AND BALANCE OF PAYMENTS:

Introduction - Meaning - Components of BOT & BOP - Concept of Disequilibrium - Causes - Remedies for Correcting Balance of Payments in International Trade

### UNIT-III: INDIAN TRADE POLICY:

Importance and its Implementation - Current Export Policy and Import Policy.

### UNIT-IV: FOREIGN TRADE AND TRADE BLOCS:

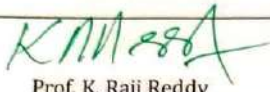
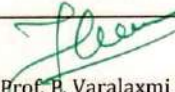
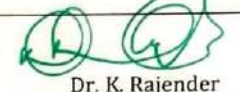
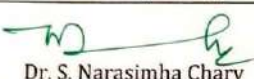



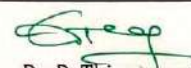
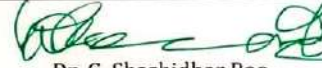
Growth - Significance of Foreign Trade - Merits - Demerits - Trade Blocs: Types - Preferential Trade Area, Free Trade Area, Customs Unions, Common Markets, Economic Unions, Monetary Unions, Customs and Monetary Unions, and Economic and Monetary Unions

### UNIT-V: INTERNATIONAL ECONOMIC INSTITUTIONS:

IMF: Objectives - Functions - World Bank: Objectives - Functions - Subsidiaries of World Bank - IMF Vs. IBRD; New Development Bank (NDB) - Objective Functions - Features - Membership - Shareholding, Criticism, Asian Infrastructure Investment Bank (AIIB) - Objective Functions - Features - Membership - Shareholding, Criticism; Trans - Pacific Partnership (TPP) - Objective Functions - Features - Membership - Shareholding, Criticism; UNCTAD: Aims - Features; WTO - Aims - Features - Agreements

### SUGGESTED READINGS:

1. International Marketing: Rathore & Jain, Himalaya Publishers.
2. International Marketing: Kushpat S. Jain & Rimi Mitra, Himalaya Publishers
3. Foreign Trade -Dr Srinivasa Narayana,Jyoti Mehra - PBP
4. International Economics: SSM Desai & Nirmal Bhalerao, Himalaya Publishers.
5. International Business Environment & Foreign Exchange Economies: Singh & S. Srivastava,
6. Foreign Trade and Foreign Exchange: O.P Agarwal & B.K.Chaudri, Himalaya Publishers
7. International Financial Markets & Foreign Exchange: Shashi K.Gupta & Praneet Rangi, Kalyani
8. International Economics: Theory & Practice: Paul R. Krugman, Pearson Publishers.

 Prof. K. Raji Reddy	 Prof. P. 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

**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
					Interna I 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
					Interna I 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

SEMESTER - III								
Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internals 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

SEMESTER - IV								
Code	Course category	Title of the Paper	No. of Credits	Hrs PW	Max. Marks			Total Marks
					Internals 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**

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**

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 Elective;

**G.E** : Generic Elective;

**P.W** : Project Work;

## 2.1 Differential and Integral Calculus

BS:101

DSC-1A

Theory: 5 credits and Tutorials: 0 credits  
 Theory: 5 hours /week and Tutorials: 1 hours /week

**Objective:** The course is aimed at exposing the students to some basic notions in differential calculus.

**Outcome:** By the time students complete the course they realize wide ranging applications of the subject.

**Unit- I**

**Partial Differentiation:** Introduction - Functions of two variables - Neighbourhood of a point  $(a, b)$  - Continuity of a Function of two variables, Continuity at a point - Limit of a Function of two variables - Partial Derivatives - Geometrical representation of a Function of two Variables - Homogeneous Functions.

**Unit- II**

Theorem on Total Differentials - Composite Functions - Differentiation of Composite Functions - Implicit Functions - Equality of  $f_{xy}(a, b)$  and  $f_{yz}(a, b)$  - Taylor's theorem for a function of two Variables - Maxima and Minima of functions of two variables - Lagrange's Method of undetermined multipliers.

**Unit- III**

**Curvature and Evolutes:** Introduction - Definition of Curvature - Radius of Curvature - Length of Arc as a Function, Derivative of arc - Radius of Curvature - Cartesian Equations - Newtonian Method - Centre of Curvature - Chord of Curvature.

**Evolutes:** Evolutes and Involute - Properties of the evolute.

**Envelopes:** One Parameter Family of Curves - Consider the family of straight lines - Definition - Determination of Envelope.

**Unit- IV**

**Lengths of Plane Curves:** Introduction - Expression for the lengths of curves  $y = f(x)$  - Expressions for the length of arcs  $x = f(y)$ ;  $x = f(t)$ ,  $y = \varphi(t)$ ;  $r = f(\theta)$

**Volumes and Surfaces of Revolution:** Introduction - Expression for the volume obtained by revolving about either axis - Expression for the volume obtained by revolving about any line - Area of the surface of the frustum of a cone - Expression for the surface of revolution - Pappus Theorems - Surface of revolution.

**Text:**

- Shanti Narayan, P.K. Mittal *Differential Calculus*, S.CHAND, NEW DELHI
- Shanti Narayan *Integral Calculus*, S.CHAND, NEW DELHI

**References:**

*[Handwritten signatures and marks at the bottom of the page]*



**B.Sc I Yr CHEMISTRY**  
**SEMESTER WISE SYLLABUS**  
**SEMESTER I**

**Paper - I**  
**Chemistry - I**

**Unit-I ( Inorganic Chemistry)**

**15 h (1 hr/week)**

**S1- I-1. Chemical Bonding**

8 h

Ionic solids- lattice and solvation energy, solubility of ionic solids, Fajan's rule, polarity and polarizability of ions. VSEPR Theory - Common hybridization- $sp$ ,  $sp^2$ ,  $sp^3$ ,  $sp^3d$ ,  $sp^3d^2$  and  $sp^3d^3$ , shapes of molecules. Molecular orbital theory: Shapes and sign convention of atomic orbitals. Modes of bonds. Criteria for orbital overlap. LCAO concept.  $\pi$  and  $\sigma$  overlapping. Concept of Types of molecular orbitals- bonding, antibonding and non bonding. MOED of homonuclear diatomics -  $H_2$ ,  $N_2$ ,  $O_2^-$ ,  $O_2^{2-}$ ,  $F_2$  (unhybridized diagrams only) and heteronuclear diatomics  $CO$ ,  $CN^-$ ,  $NO$ ,  $NO^+$  and  $HF$ . Bond order, stability and magnetic properties.

7 h

**S1-I-2. p-Block Elements I**

Group-13: Structure of diborane and higher Boranes ( $B_4H_{10}$  and  $B_5H_9$ ), Boron nitrogen compounds ( $B_3N_3H_6$  and  $BN$ ), Lewis acid nature of  $BX_3$ .  
Group - 14: Carbides-Classification - ionic, covalent, interstitial - Structures and reactivity. Industrial applications. Silicones - Classification - straight chain, cyclic and cross-linked.  
Group - 15: Nitrides - Classification - ionic, covalent and interstitial. Reactivity - hydrolysis. Reactions of hydrazine, hydroxyl amine, phosphazenes.

**Unit - II (Organic Chemistry)**

**15h(1 hr/week)**

**S1-O-1: Structural Theory in Organic Chemistry**

5 h

Bond polarization: Factors influencing the polarization of covalent bonds, electro negativity - inductive effect. Application of inductive effect (a) Basicity of amines (b) Acidity of carboxylic acids (c) Stability of carbonium ions. Resonance - Mesomeric effect, application to (a) acidity of phenol. (b) acidity of carboxylic acids and basicity of anilines. Stability of carbo cations, carbanions and free radicals. Hyper conjugation and its application to stability of carbonium ions, free radicals and alkenes.

6 h

**S1-O-2: Acyclic Hydrocarbons**

**Alkanes**- Methods of preparation: From Grignard reagent, Kolbe synthesis. Chemical reactivity - inert nature, free radical substitution, Halogenation example- reactivity, selectivity and orientation.

**Alkenes** - Preparation of alkenes (with mechanism) (a) by dehydration of alcohols (b) dehydrohalogenation of alkyl halides (c) by dehalogenation of 1,2 dihalides, Zaitsev's rule. Properties: Anti-addition of halogen and its mechanism. Addition of  $HX$ , Markonikov's rule, addition of  $H_2O$ ,  $HOX$ ,  $H_2SO_4$  with mechanism and addition of  $HBr$  in the presence of peroxide (anti - Markonikov's addition). Oxidation (cis - additions) - hydroxylation by  $KMnO_4$ ,  $OsO_4$ .

*g. j. j.*  
26/06/19

*g. j. j.*  
26/06/19

*g. j. j.*  
26/06/19

*g. j. j.*  
26/06/19

*g. j. j.*



**B.Sc. (Physics) Semester I-Theory Syllabus**  
**Paper – I: Mechanics**

**56 hrs**

**(w. e. from academic year 2019-20)**  
**(CBCS)**

**Unit – I**

**1. Vector Analysis (14)**

Scalar and vector fields, gradient of a scalar field and its physical significance. Divergence and curl of a vector field and related problems. Vector integration, line, surface and volume integrals. Stokes, Gauss and Greens theorems- simple applications.

**Unit – II**

**2. Mechanics of Particles (07)**

Laws of motion, motion of variable mass system, motion of a rocket, multi-stage rocket, conservation of energy and momentum. Collisions in two and three dimensions, concept of impact parameter, scattering cross-section.

**3. Mechanics of rigid bodies (07)**

Definition of Rigid body, rotational kinematic relations, equation of motion for a rotating body, angular momentum and inertial tensor. Euler's equation, precession of a top, Gyroscope.

**Unit – III**

**4. Central forces (14)**

Central forces – definition and examples, conservative nature of central forces, conservative force as a negative gradient of potential energy, equation of motion under a central force, gravitational potential and gravitational field, motion under inverse square law, derivation of Kepler's laws, Coriolis force and its expressions.

**Unit – IV**

**5. Special theory of relativity (14)**

Galilean relativity, absolute frames, Michelson-Morley experiment, Postulates of special theory of relativity. Lorentz transformation, time dilation, length contraction, addition of velocities, mass-energy relation. Concept of four vector formalism.

**NOTE:** Problems should be solved at the end of every chapter of all units.

  
Chairperson

## **II SEMESTER Practicals Paper – II :**

**42 hrs**  
**(3 hrs / week)**

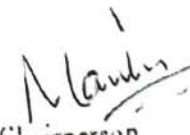
### **Thermal Physics**

1. Co-efficient of thermal conductivity of a bad conductor by Lee's method.
2. Measurement of Stefan's constant.
3. Specific heat of a liquid by applying Newton's law of cooling correction.
4. Heating efficiency of electrical kettle with varying voltages.
5. Determination of Thermo emf
6. Cooling Curve of a metallic body (Null method)
7. Resistance thermometer. To Determine temp coeff resistance
8. Thermal expansion of solids
9. Study of conversion of mechanical energy into heat.
10. Determine the Specific of a solid (graphite rod)
11. Thermistor Characteristics. Calculation of A and B

**Note:** Minimum of eight experiments should be performed. Maximum of 15 students per batch and maximum of three students per experiment should be allotted in the regular practical class of three hours per week.

### **Text and reference books**

1. D.P. Khandelwal, "A laboratory manual for undergraduate classes" (Vani Publishing House, New Delhi).
2. S.P. Singh, "Advanced Practical Physics" (PragatiPrakashan, Meerut).
3. Worsnop and Flint- Advanced Practical physics for students.
4. "Practical Physics" R.K Shukla, AnchalSrivastava

  
Chairperson  
BOARD OF STUDIES  
DEPARTMENT OF PHYSICS  
KAKATIYA UNIVERSITY  
WARANGAL-506009 (A.P.)

**KAKATIYA UNIVERSITY**  
Under Graduate Courses (Under CBCS 2019 - 2022)  
**B.Sc. ZOOLOGY I Year**  
**SEMESTER – I**

---

**ANIMAL DIVERSITY – INVERTEBRATES**

(Core Paper –I)

Theory	4 Hours/Week	4 Credit	Internal marks = 20
Practical	3 Hours/Week	1 Credit	External Marks = 80

**UNIT – I**

**1.1 Protozoa**

- 1.1.1 General Characters and Classification of Protozoa up to Orders with examples
- 1.1.2 Type Study – *Elphidium*
- 1.1.3 Locomotion and Reproduction
- 1.1.4 Epidemiology of Protozoan diseases – Amoebiasis, Giardiasis, Leishmaniasis, Malaria

**1.2 Porifera**

- 1.2.1 General characters and Classification of Porifera up to Orders with examples
- 1.2.2 Type study - *Sycon*
- 1.2.3 Canal system in Sponges
- 1.2.4 Types of Cells and Spicules in Porifera.

**UNIT – II**

**2.1 Cnidaria**

- 2.1.1 General characters and Classification of Cnidaria up to classes with examples
- 2.1.2 Type study - *Obelia*
- 2.1.3 Polymorphism in Cnidarians with examples
- 2.1.4 Corals and Coral Reef formation

**2.2 Helminthes**


- 2.2.1 General characters and Classification of **Platyhelminthes** up to classes with examples
- 2.2.2 Type study - *Schistosoma*
- 2.2.3 General characters and Classification of **Nemathelminthes** up to classes with examples
- 2.2.4 Type study – *Dracanculus*; Parasitic Adaptations in Helminthes

**UNIT- III**

**3.1 Annelida**

- 3.1.1 General characters and Classification of Annelida up to classes with examples
- 3.1.2 Type study – *Hirudinaria granulosa*
- 3.1.3 Evolutionary significance of Coelome and Coelomoducts and Metamerism
- 3.1.4 Economic Importance of Annelida (Polychaeta, Oligochaeta and Hirudinea)

  
**HEAD**  
Department Of Zoology  
University College

  
**Dr. G. SHAMITHA**  
Chairperson



### 3.2 Aves

- 3.2.1 General characters and Classification of Aves upto orders with examples.
- 3.2.2 *Columba livia*- Digestive, Respiratory, Circulatory and Nervous systems
- 3.2.3 Migration in Birds
- 3.2.4 Flight adaptation in Birds

## Unit – IV

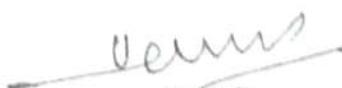
### 4.1 Mammalia


- 4.1.1 General characters and Classification of Mammalia upto orders with examples
- 4.1.2 *Rabbit*- Digestive, Respiratory, Circulatory and Nervous systems
- 4.1.3 Dentition in Mammals
- 4.1.4 Aquatic adaptations in Mammals

### Suggested Readings:

1. E.L. Jordan and P.S. Verma 'Chordate Zoology' - S. Chand Publications.
2. Mohan P. Arora. 'Chordata - I, Himalaya Publishing House Pvt. Ltd.
3. Marshal, Parker and Haswell 'Text book of Vertebrates'. ELBS and McMillan, England.
4. Alfred Sherwood Romer. Thomas S. Pearson 'The Vertebrate Body, Sixth edition, CBS College Publishing, Saunders College Publishing
5. George C. Kent, Robert K. Carr. *Comparative Anatomy of the Vertebrates*, 9th ed. McGraw Hill.
6. Kenneth Kardong *Vertebrates: Comparative Anatomy, Function and Evolution*, 4th ed, McGraw Hill.
7. J.W. Young, *The Life of Vertebrates*, 3rd ed, Oxford University press.
8. Harvey Pough F, Christine M. Janis, B. Heiser, *Vertebrate Life*, Pearson, 6th ed. Pearson Education Inc. 2002.

\*\*\*\*

  
**HEAD**  
Department Of Zoology  
University College  
Kakatiya University,  
WARANGAL - 506009 (T.S.)

  
**Dr. G. SHAMITHA**  
Chairperson  
Board of Studies  
Department of Zoology & Sericulture Unit  
KAKATIYA UNIVERSITY - WGL-506009 (T.S.)

**DEPARTMENT OF ENGLISH**  
**KAKATIYA UNIVERSITY**  
**SYLLABUS FOR 1 YEAR (1 SEMESTER) GENERAL ENGLISH**  
**AT UNDERGRADUATE LEVEL**  
*w.e.f* (under CBCS from 2019-2020)

**Text Book Entitled - English for Advancement** *for 1 Year* **4 Credits**  
*Published by Orient BlackSwan (Sem I & II)*

<b>UNIT ONE</b> (SHORT FICTION)	<b>TEXT</b>	<b>AN ASTROLOGER'S DAY by R.K.NARAYAN</b>
	GRAMMAR	NOUNS AND PRONOUNS
	VOCABULARY	WORD ROOTS
	READING COMPREHENSION	HAZARDS OF FOOD COLOURING
	PRONUNCIATION	CONSONANTAL SOUNDS
	LANGUAGE SKILLS	TYPES OF LISTENING
	SOFT SKILLS	MOTIVATION AND GOAL-SETTING
<b>UNIT TWO</b> (PROSE)	<b>TEXT</b>	<b>OF STUDIES by FRANCIS BACON</b>
	GRAMMAR	ADJECTIVES
	VOCABULARY	FUNNY SIDE OF ENGLISH
	READING COMPREHENSION	PLEASURES OF IGNORANCE by ROBERT LYND
	PRONUNCIATION	VOWEL SOUNDS
	LANGUAGE SKILLS	CONVERSATION SKILLS
	SOFT SKILLS	TIME MANAGEMENT
<b>UNIT THREE</b> (POETRY)	<b>TEXT</b>	<b>A POISON TREE by WILLIAM BLAKE</b>
	GRAMMAR	ADVERBS
	SPELLING	COMMONLY MISSPELT WORDS

*Kat*

*Eng. M. S. S.*

**HEAD**  
**Department of English**  
**KAKATIYA UNIVERSITY**  
 2019-2020

*P. Nirmal*



C.B.C.S Pattern Syllabus from 2019-2020 onwards  
B.A., B.Sc., B.Com. & B.BA  
1st Semester Ind Languages - Telugu

## Unit-I

## ప్రాచీన కవిత్వం

- 1) తమిళశిల్పానం - నన్నయ
- 2) గోదావరి కథ - పొల్లూరికి సోమనాథుడు
- 3) సంవరణుడి తపస్సు-అర్జునికి గంగాధరుడు

## Unit-II

## ఆధునిక కవిత్వం

- 1) కానులు-గురజాడ అప్పారావు
- 2) రాజు-కవి-డా.గుళ్ళం జాషువా
- 3) గంగినెట్టి-డా. పల్లా దుర్గయ్య
- 4) జయభేరి-శ్రీ శ్రీ

## Unit-III

## వచన కవిత్వం

రుద్రమదేవి (నవల) - ఒద్దిరాజు సోదరులు

## Unit-IV

## భాషా భాగాలు-వ్యాకరణం

పర్యాయ పదాలు, నానార్థాలు, సంఘటలు, సమాసాలు, తెలుగు వాక్యం



Handwritten signatures and dates: 9/17/21, 12:43 PM

**B.Sc., BOTANY**  
**First Year, I -Semester**  
**Paper-I**  
**Microbial Diversity and Lower Plants**

**DSC - 1A (4 hrs./week)**

**Credits- 4**

**Theory Syllabus**

**(60 hours)**

**UNIT - I**

**(15 hours)**

- 1) **Bacteria:** Structure, nutrition, reproduction and economic importance. Brief account of Archaeobacteria, Actinomycetes and Mycoplasma with reference to little leaf of Brinjal and Papaya leaf curl
- 2) **Viruses:** Structure, replication and transmission; plant diseases caused by viruses and their control with reference to Tobacco Mosaic and Rice Tungro.
- 3) An outline of plant diseases of important crop plants caused by bacteria and their control with reference to Angular leaf spot of cotton and Bacterial blight of Rice.

**UNIT-II**

**(15 hours)**

- 1) General characters, structure, reproduction and classification of algae (Fritsch)
- 2) **Cyanobacteria:** General characters, cell structure their significance as biofertilizers with special reference to Oscillatoria, Nostoc and Anabaena.
- 3) Structure and reproduction of the following:  
Chlorophyceae- Volvox, Oedogonium and Chara.  
Phaeophyceae- Ectocarpus  
Rhodophyceae- Polysiphonia.

**UNIT-III**

**(15 hours)**

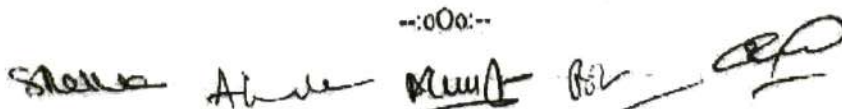
- 1) General characters and classification of fungi (Ainsworth).
- 2) Structure and reproduction of the following:  
(a) Mastigomycotina- Albugo  
(b) Zygomycotina- Mucor  
(c) Ascomycotina- Saccharomyces and Penicillium.  
(d) Basidiomycotina- Puccinia  
(e) Deuteromycotina- Cercospora.
- 3) Economic importance of lichens

**UNIT-IV**

**(15 hours)**

- 1) **Bryophytes:** Structure, reproduction, life cycle and systematic position of Marchantia, Anthoceros and Polytrichum, Evolution of Sporophyte in Bryophytes.
- 2) **Pteridophytes:** Structure, reproduction, life cycle and systematic position of Rhynia, Lycopodium, Equisetum and Marsilea.
- 3) Stellar evolution, heterospory and seed habit in Pteridophytes.

--:000:--



**Practical Syllabus**

1. Study of viruses and bacteria using electron micrographs (photographs).
2. Gram staining of Bacteria.
3. Study of symptoms of plant diseases caused by viruses, bacteria, Mycoplasma and fungi:  
 Viruses: Tobacco mosaic  
 Bacteria: Angular leaf spot of cotton and Rice tungro.  
 Mycoplasma: Little leaf of Brinjal and Leaf curl of papaya  
 Fungi: White rust on Crucifers, Rust on wheat & Tikka disease of Groundnut.
4. Vegetative and reproductive structures of the following taxa:  
 Algae: Oscillatoria, Nostoc, Volvox, Oedogonium, Chara, Ectocarpus and Polysiphonia.  
 Fungi: Albugo, Mucor, Saccharomyces, Penicillium, Puccinia and Cercospora
5. Section cutting of diseased material infected by Fungi and identification of pathogens as per theory syllabus. White rust of Crucifers, Rust on wheat & Tikka disease of Groundnut.
6. Lichens: Different types of thalli and their external morphology
7. Examination of important microbial, fungal and algal products:  
 Biofertilizers, protein capsules, antibiotics, mushrooms, Agar-agar etc.
8. Field visits to places of algal / microbial / fungal interest (e.g. Mushroom cultivation, water bodies).
9. Study of Morphology (vegetative and reproductive structures) and anatomy of the following  
 Bryophytes: Marchantia, Anthoceros and Polytrichum.
10. Study of Morphology (vegetative and reproductive structures) and anatomy of the following  
 Pteridophytes: Lycopodium, Equisetum and Marsilea.
11. Study of Anatomical features of Lycopodium stem, Equisetum stem and Marsilea petiole & rhizome by preparing double stained permanent mounts.

**Practical Model Paper****Max. Marks: 25****Time : 3 hrs**

1. Identify the given components 'A' & 'B' in the algal mixture.  
 Describe with neat labeled diagrams & give reasons for the classifications. 2 X 2 = 4M  
3M
2. Classify the given bacterial culture 'D' using Gram - staining technique.
3. Take a thin transverse section of given diseased material 'E'.  
 Identify & describe the symptoms caused by the pathogen. 4M
4. Identify the given specimens 'F', 'G' & 'H' by giving reasons.  
 (Fungal-1, Bacteria-1 & Viral-1) 3 X 1 = 3M
5. Comment on the given slides 'I' & 'J' (Algae-1, Fungi-1) 2 X 2 = 4M
6. Identify the given specimen 'K' & slide 'L' (Bryophytes & Pteridophytes) 2 X 2 = 4M  
3M
7. Record



## Programming in C Semester -4

Theory	4 Hours/Week	4 credit
Practical	3 Hours/Week	1 credit

### Unit – I

Computer Fundamentals: Introduction of Computers, Classification of Computers, Anatomy of a Computer, Memory Hierarchy, Introduction to OS, Operational Overview of a CPU.  
Program Fundamentals: Generation and Classification of Programming Languages, Compiling, Interpreting, Loading, Linking of a Program, Developing Program, Software Development.  
Algorithms: Definitions, Different Ways of Stating Algorithms (Step-form, Pseudo-code, Flowchart), Strategy for Designing Algorithms, Structured Programming Concept.  
Basics of C: Overview of C, Developing Programs in C, Parts of Simple C Program, Structure of a C Program, Comments, Program Statements, C Tokens, Keywords, Identifiers, Data Types, Variables, Constants, Operators and Expressions, Expression Evaluation—precedence and associativity, Type Conversions.

### Unit – II

Input-Output: Non-formatted and Formatted Input and Output Functions, Escape Sequences.  
Control Statements: Selection Statements – if, if-else, nested if, nested if-else, comma operator, conditional operator, switch; Iterative Statements—while, for, do-while; Special Control Statement—goto, break, continue, return, exit.  
Arrays and Strings: One-dimensional Arrays, Character Arrays, Functions from ctype.h, string.h, Multidimensional Arrays.

### Unit – III

Functions: Concept of Function, Using Functions, Call-by-Value Vs Call-by-reference, Passing Arrays to Functions, Scope of Variables, Storage Classes, Inline Functions, and Recursion.  
Pointers: Introduction, Address of Operator (&), Pointer, Uses of Pointers, Arrays and Pointers, Pointers and Strings, Pointers to Pointers, Array of Pointers, Pointer to Array, Dynamic Memory Allocation.

### Unit – IV

User-defined Data Types: Declaring a Structure (Union) and its members, Initialization Structure (Union), Accessing members of a Structure (Union), Array of Structures (Union), Structures verses Unions, Enumeration Types.  
Files: Introduction, Using Files in C, Working with Text Files, Working with Binary Files, Files of Records, Random Access to Files of Records, Other File Management Functions.

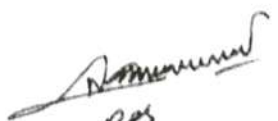
### Text

Pradip Dey, Manas Ghosh, Computer Fundamentals and Programming in C (2e)

### References

#### BOOKS

Ivor Horton, Beginning C  
Ashok Kamthane, Programming in C  
Herbert Schildt, The Complete Reference C  
Paul Deitel, Harvey Deitel, C How To Program  
Byron S. Gottfried, Theory and Problems of Programming with C  
Brian W. Kernighan, Dennis M. Ritchie, The C Programming Language  
B. A. Forouzan, R. F. Gilberg, A Structured Programming Approach Using C

  
CHAIRMAN

C++ Lab Semester -II

Practical

3 Hours/Week

1 credit

1 Write a program to.

- a. Print the sum of digits of a given number.
- b. Check whether the given number is Armstrong or not
- c. Print the prime number from 2 to n where n is natural number given.

2 Write a program to find largest and smallest elements in a given list of numbers and sort the given list.

3 Write a program to read the student name, roll no, marks and display the same using class and object.

4 Write a program to implement the dynamic memory allocation and de-allocation using new and delete operators using class and object.

5 Write a program to find area of a rectangle, circle, and square using constructors.

6 Write a program to implement copy constructor.

7 Write a program using friend functions and friend class.

8 Write a program to implement constructors

§ Default Constructor, Parameterized Constructor, Copy Constructor

§ Define the constructor inside/outside of the class

§ Implement all three constructors within a single class as well as use multiple classes( individual classes)

Write a program to implement the following concepts using class and object

§ Function overloading

§ Operator overloading (unary/binary(+ and -))

Write a program to demonstrate single inheritance, multilevel inheritance and multiple inheritances.

Write a program to implement the overloaded constructors in inheritance.

Write a program to implement the polymorphism and the following concepts using class and object.

§ Virtual functions

§ Pure virtual functions

Write a program to implement the virtual concepts for following concepts

§ Constructor (not applied)

§ Destructor (applied)

Write a program to demonstrate static polymorphism using method overloading.

Write a program to demonstrate dynamic polymorphism using method overriding and dynamic method dispatch.

Write a program to implement the template (generic) concepts

§ Without template class and object

§ With template class and object

Write the Pseudo Code and draw Flow Chart for the above programs.

Recommended to use Open Source Software: GCC on Linux; DevC++ (or) CodeBlocks on Windows.





**KAKATIYA UNIVERSITY WARANGAL 506 009**  
**Scheme under Choice Based Credit System**  
**With Effect from the Academic Year 2019-2020**  
**B.A. PROGRAMME**

**FIRST YEAR**

**SEMESTER - I**

Code	Course category	Title of the Paper *	No. of Credits	HPW	Max. Marks		Total Marks
					I.A	End Exam	
B A 101	AECC-1	Basic Computer Skills	2	2	10	40	50
B A 102	FL-1 A	ENGLISH	4	4	20	80	100
B A 103	SL-1 B	SECOND LANGUAGE	4	4	20	80	100
B A 104	DSC-1 A	OPTIONAL - I	5	5	20	80	100
B A 105	DSC-2 A	OPTIONAL - II	5	5	20	80	100
B A 106	DSC-3 A	OPTIONAL - III	5	5	20	80	100
		Summary of Credits	25	25	-	-	550

**SEMESTER - II**

Code	Course category	Title of the Paper *	No. of Credits	HPW	Max. Marks		Total Marks
					I.A	End Exam	
B A 201	AECC-2	Environmental Studies	2	2	10	40	50
B A 202	FL-2 A	ENGLISH	4	4	20	80	100
B A 203	SL-2 B	SECOND LANGUAGE	4	4	20	80	100
B A 204	DSC-1B	OPTIONAL - I	5	5	20	80	100
B A 205	DSC-2B	OPTIONAL - II	5	5	20	80	100
B A 206	DSC-3B	OPTIONAL - III	5	5	20	80	100
		Summary of Credits	25	25	-	-	550

\* If a particular optional is having practical lab, the No. of credits may be considered as 4 = 1 (Theory + Lab Practical)

**KAKATIYA UNIVERSITY WARANGAL, 506 009**  
**Scheme under Choice Based Credit System**  
**With Effect from the Academic Year 2020-2021**  
**B.A. PROGRAMME**

**SECOND YEAR**

**SEMESTER - III**

Code	Course category	Title of the Paper *	No. of Credits	HPW	Max. Marks		Total Marks
					I.A	End Exam	
BA 301	SEC-1	Project Planning and Report Writing	2	2	10	40	50
BA 302	SEC-2	Entrepreneurship and Development	2	2	10	40	50
BA 303	FL-3 A	ENGLISH	3	3	15	60	75
BA 304	SL-3 B	SECOND LANGUAGE	3	3	15	60	75
BA 305	DSC-1 C	OPTIONAL - I	5	5	20	80	100
BA 306	DSC-2 C	OPTIONAL - II	5	5	20	80	100
BA 307	DSC-3 C	OPTIONAL - III	5	5	20	80	100
		Summary of Credits	25	25	110	440	550

**SEMESTER - IV**

Code	Course category	Title of the Paper *	No. of Credits	HPW	Max. Marks		Total Marks
					I.A	End Exam	
BA 401	SEC-3	Forms of Journalistic Writing	2	2	10	40	50
BA 402	SEC-4	Rural Politics and Leadership	2	2	10	40	50
BA 403	FL- 4 A	ENGLISH	3	3	15	60	75
BA 404	SL- 4 B	SECOND LANGUAGE	3	3	15	60	75
BA 405	DSC-1 D	OPTIONAL - I	5	5	20	80	100
BA 406	DSC-2 D	OPTIONAL - II	5	5	20	80	100
BA 407	DSC-3 D	OPTIONAL - III	5	5	20	80	100
		Summary of Credits	25	25	110	440	550

- If a particular optional is having practical lab, the No. of credits may be considered as 4 = 1 (Theory + Lab Practical)

**KAKATIYA UNIVERSITY WARANGAL 506 009**  
**Scheme under Choice Based Credit System**  
**With Effect from the Academic Year 2021- 2022**  
**B.A. PROGRAMME**  
**FINAL YEAR**

**SEMESTER - V**

Code	Course category	Title of the Paper *	No. of Credits	HPW	Max. Marks		Total Marks
					I.A	End Exam	
BA 501	FL-5 A	ENGLISH	3	3	15	60	75
BA 502	SL-5 B	SECOND LANGUAGE	3	3	15	60	75
BA 503	GE	Good Governance	4	4	20	80	100
BA 504	DSE-1 E	OPTIONAL – I	5	5	20	80	100
BA 505	DSE-2 E	OPTIONAL – II	5	5	20	80	100
BA 506	DSE-3 E	OPTIONAL – III	5	5	20	80	100
Summary of Credits			25	25	110	440	550

**SEMESTER - VI**

Code	Course category	Title of the Paper *	No. of Credits	HPW	Max. Marks		Total Marks
					I.A	End Exam	
BA 601	FL-6 A	ENGLISH	3	3	15	60	75
BA 602	SL-6 B	SECOND LANGUAGE	3	3	15	60	75
BA 603	PW - / Optional	Cultural Tourism in India	4	4	20	80	100
BA 606	DSE-1 F	OPTIONAL – I	5	5	20	80	100
BA 607	DSE-2 F	OPTIONAL – II	5	5	20	80	100
BA 608	DSE-3 F	OPTIONAL – III	5	5	20	80	100
Summary of Credits			25	25	110	440	550

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)

FL-: First Language;  
SL-: Second Language;  
AECC: Ability Enhancement Compulsory Course;  
SEC: Skill Enhancement Course;  
DSC: Discipline Specific Course;  
DSE: Discipline Specific Effective;  
GE: Generic Elective;



**KAKATIYA UNIVERSITY - WARANGAL - TELANGANA**  
Under Graduate Courses (Under CBCS 2020 – 2021 onwards)  
**B.A. ECONOMICS I Year**  
**SEMESTER – I**

---

**PAPER – I MICRO ECONOMICS**  
(Discipline Specific Course)

Theory: 5 Hours/Week; Credits: 5 Marks: 100 (Internal: 20; External: 80)

**Module-I: Consumer Behaviour:**

Cardinal Approach to Utility Analysis - Ordinal utility Analysis - Properties of Indifference curves - concept of budget line - equilibrium of consumer - price consumption curve - income consumption curve - derivation of demand curve with the help of Indifference Curves' Analysis - Concepts of price - income and substitution effects.

**Module-II Production Analysis**

Concept of Production Function - Linear and homogeneous production function - Short run and long run production function - Law of Variable Proportions - Laws of Returns to Scale - Properties of iso-product curves - concept of factor price line - analysis of least cost input combination - concepts of expansion path and economic region of production - Properties of Cobb-Douglas Production Function.

**Module-III: Cost and Revenue Analysis**

Cost concepts: Accounting, real, opportunity, explicit costs - Total cost- total fixed cost - total variable cost - average cost - average fixed cost - average variable cost - marginal cost and the relationship between average and marginal cost - derivation of long run average cost curve - Economies of scale: internal and external - Revenue concepts: total - average and marginal - relationship between Average revenue & marginal revenue and price elasticity of demand.

**Module-IV: Analysis of Market Structure:**

Concepts & Classification of Markets -Basic Features of Perfect Competition - Monopoly-Equilibrium of a monopolist - Concept of Price discrimination & degrees of price discrimination- Monopolistic competition - characteristics - concepts of product differentiation and selling cost - Equilibrium under Monopolistic competition - Oligopoly- characteristics of oligopoly - Prince and output determination - Analysis of Kinked Demand Curve - Concept of Duopoly - Cournot's version of duopoly.

**Module-V: Analysis of Business Firm and Profit**

Characteristics of a business firm, objectives of business firm: profit maximization, sales revenue maximization, market share maximization, growth maximization. Profit concepts: Accounting and economic; break-even point and profit -volume analysis

**References:**

- |                      |   |                               |
|----------------------|---|-------------------------------|
| 1. M L Seth          | : | Micro Economics               |
| 2. M L Jhingon:      | : | Micro Economics               |
| 3. H L Ahuja:        | : | Modern Micro Economics        |
| 4. Koutsainies;      | : | Modern Micro Economics        |
| 5. Stonier and Hague | : | Micro Economics               |
| 6. Salvatore         | : | Micro economics               |
| 7. Schaum Series     | : | Micro economics               |
| 8. Pyndick           | : | Micro economics               |
| 9. Gregory Mankiw    | : | Principles of Micro Economics |

**B.A. Political Science**  
**Ist Semester**  
**Paper - I**  
**Understanding Political Theory**

**Unit- I      Political Theory**

- What is Political Theory, Evolution, Nature , Significance
- Debates on Political Theory
  - a) Normative   b) Contemplative   c) Explanatory

**Unit-II      What is Political?**

- State: Theories of origin of the state, Divine, Social Contract, Evolution Theories
- Power and Authority
- Authoritative allocation of Values
- Sovereign state : Challenges

**Unit- III      Political Values and Theoretical Perspective**

- Liberty :- A) Liberal   B) Marxist   C) Feminist
- Equality :- A) Liberal   B) Marxist   C) Feminist
- Justice :- A) Liberal   B) Marxist   C) Feminist

**Unit-IV      Political Ideologies**

- Liberalism
- Nationalism
- Multiculturalism

**Unit-V      Political Institutions and Functions**

- Legislature, Executive and Judiciary
- Political Parties, Pressure Groups, Media

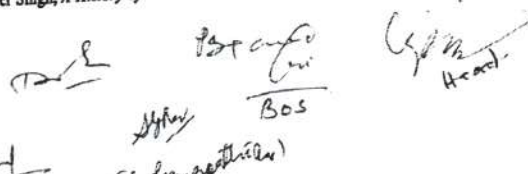


**TELANGANA STATE**  
**B.A. (HISTORY) SYLLABUS**  
 Semester - I  
**History of India (From Earliest Times to c.700 CE)**  
 (DSC-101) Discipline Specific Course - Paper - I  
 (With Effect from 2019-2020)

- Module-I:** Definitions - Nature and Scope of History - History and Its Relationship with other Social Sciences - Geographical Features of India - Sources of Indian History: Pre-History - Paleolithic, Mesolithic, Neolithic, Chalcolithic and Megalithic Cultures.
- Module-II:** Indus Valley Civilization - Its Features & Decline; Early Vedic and Later Vedic Civilizations - Vedic Literature - Society - Economy - Polity - Religion.
- Module-III:** Rise of New Religious Movements - Charvakas, Lokayathas, Jainism and Buddhism; Mahajanapadas - Rise of Magadha; Alexander's Invasion and Its Impact.
- Module-IV:** Foundation of the Mauryan Dynasty; Ashoka and His Dharma - Polity - Administration - Society - Economy - Religion - Literature - Art and Architecture; Disintegration of the Mauryan Empire; Post-Mauryan Kingdoms - Indo-Greeks - Kushanas and Kanishka - Society - Economy - Literature - Art and Architecture; The Satavahanas; Sangam Age - Literary Development.
- Module-V:** Gupta Empire: A Brief Political Survey - Polity and Administration, Social and Economic Conditions, Agriculture and Land Grants - Feudalism, Caste System, Position of Women, Education, Literature, Science and Technology, Art and Architecture - Harshavardana and His Achievements.

**Recommended Books:**

- A.L. Basham, *The Wonder that was India*, Rupa & Co., New Delhi, 2001.  
 Allchin, Bridget & Raymond, *The Rise of Civilization in India and Pakistan*, CUP, New Delhi, 1996.  
 E.H. Carr, *What is History?* Penguin Books, England, 1990.  
 Majumdar, R.C., *History and Culture of the Indian People*, Vols. I, II & III.  
 Romila Thapar, *Asoka and the Decline of the Mauryas*, OUP, New Delhi, 1995.  
 Romila Thapar, *Early India (From the earliest to AD 1300)*.  
 Romila Thapar, *A History of India*, Vol. I, Penguin Books, New Delhi, 1990.  
 Upinder Singh, *A History of Ancient and Medieval India*.

  
 [R. SUMALATHA] (S. Gangadharan)

*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 (1)	Code (2)	Course Title (3)	HPW (5)	Credits (6)	Exam Hrs (7)	Marks (8)
<b>I Year I Semester</b>						
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
		<b>Total</b>	<b>25</b>	<b>25</b>		
<b>I Year II Semester</b>						
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
		<b>Total</b>	<b>25</b>	<b>25</b>		
<b>II Year I Semester</b>						
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
		<b>Total</b>	<b>25</b>	<b>25</b>		



**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)
<b>II Year II Semester</b>						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3	Practice of General Insurance/ Social Media Marketing 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	Corporate Accounting	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>25</b>	<b>25</b>		
		1				
<b>III Year I Semester</b>						
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/ 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	Auditing/ Advanced Corporate Accounting/ Financial Management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>27/25</b>	<b>25</b>		
<b>III Year II Semester</b>						
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 +15V V
36.	DSE601	a) Cost Control and Management Accounting/ Financial control/ Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	Theory and Practice of GST/ Financial Decision Making-II / International Auditing	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	Accounting Standards/ Corporate Governance/ Investment management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>29/27</b>	<b>25</b>		
		<b>GRAND TOTAL</b>	<b>156/152</b>	<b>150</b>		



**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)
<b>II Year II Semester</b>						
20.	ELS4	English (First Language)	3	3		
21.	SLS4	Second Language	3	3		
22.	SEC3	Practice of General Insurance/ Social Media Marketing 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	Corporate Accounting	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>25</b>	<b>25</b>		
		1				
<b>III Year I Semester</b>						
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/ 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	Auditing/ Advanced Corporate Accounting/ Financial Management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>27/25</b>	<b>25</b>		
<b>III Year II Semester</b>						
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 +15V V
36.	DSE601	a) Cost Control and Management Accounting/ Financial control/ Financial Reporting-II	5	5	3 hrs	80U+20I
37.	DSE602	Theory and Practice of GST/ Financial Decision Making-II / International Auditing	3T+4P/5	5	3 hrs	50T+35P + 15I/ 80U+20I
38.	DSE603	Accounting Standards/ Corporate Governance/ Investment management	5	5	3 hrs	80U+20I
		<b>Total</b>	<b>29/27</b>	<b>25</b>		
		<b>GRAND TOTAL</b>	<b>156/152</b>	<b>150</b>		

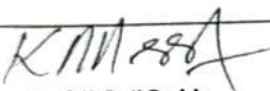
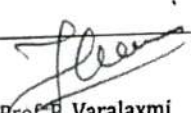
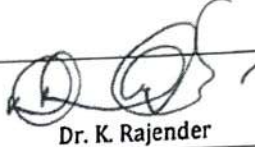



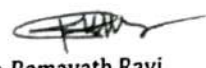
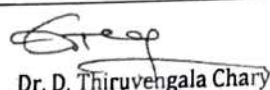
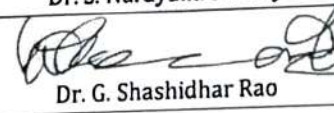
**Faculty of Commerce & Business Management, Kakatiya University, Warangal.**

**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
	<b>TOTAL</b>	<b>38</b>		<b>150</b>
	<b>Commerce</b>	<b>24</b>		<b>106</b>
<b>CREDITS UNDER NON-CGPA</b>		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. Somaiah	 Dr. S. Narayana Swamy
 Dr. Ramavath Ravi	 Dr. D. Thiruvengala Chary	 Dr. G. Shashidhar Rao



**Objective:** To acquire accounting knowledge of bills of exchange and other business accounting methods.

**UNIT-I: BILLS OF EXCHANGE:**

Bills of Exchange - Definition- Distinction between Promissory note and Bills of exchange- Accounting treatment of Trade bills: Books of Drawer and Acceptor- Honour and Dishonour of Bills- Renewal of bills- Retiring of bills under rebate- Accommodation bills.(Including problems)

**UNIT-II: CONSIGNMENT ACCOUNTS:**

Consignment - Meaning - Features- Proforma invoice - Account sales - Del-credere commission- Accounting treatment in the books of the consignor and the consignee - Valuation of consignment stock -Treatment of Normal and abnormal Loss - Invoice of goods at a price higher than the cost price. (Including problems)

**UNIT-III: JOINT VENTURE ACCOUNTS:**

Joint Venture - Meaning -Features-Difference between Joint Venture and Consignment-Accounting Procedure-Methods of Keeping Records for Joint Venture Accounts-Method of Recording in co-ventures books-Separate Set of Books Method- Joint Bank Account-Memorandum Joint Venture Account (Including problems)

**UNIT-IV: ACCOUNTS FROM INCOMPLETE RECORDS:**

Single Entry System - Meaning -Features-Difference between Single Entry and Double Entry systems -Defects in Single Entry System - Books and accounts maintained - Ascertainment of Profit - Statement of Affairs and Conversion method (Including problems)

**UNIT-V: ACCOUNTING FOR NON-PROFIT ORGANIZATIONS:**

Non- Profit Organization - Meaning - Features - Receipts and Payments Account - Income and Expenditure Account - Balance Sheet(Including problems)

**SUGGESTED READINGS:**

1. Accountancy-I: Haneef and Mukherjee, Tata McGraw Hill Co.
2. Principles and Practice of Accounting: R.L. Gupta & V.K. Gupta, Sultan Chand & Sons.
3. Accountancy-I: Tulasian, Tata McGraw Hill Co.
4. Accountancy-I: S.P. Jain & K.L. Narang, Kalyani.
5. Advanced Accountancy-I: S.N. Maheshwari & V.L. Maheswari, Vikas.
6. Advanced Accountancy: M. Shrinivas & K. Sreelatha Reddy, Himalaya Publishers.
7. Financial Accounting: M.N. Arora, Tax Mann Publications.

**Objective:** To understand basics of contract act, sales of goods act, IPRs and legal provisions applicable for establishment, management and winding up of companies in India.

**UNIT-I: INDIAN CONTRACT ACT:**

Agreement and contract - Essentials of a valid contract - Types of contracts - Offer and Acceptance - Essentials of valid offer and acceptance - Communication and revocation of offer and acceptance - Consideration definition - Essentials of valid consideration - Modes of Discharge of a contract - Performance of Contracts - Breach of Contract - Remedies for Breach.

**UNIT-II: SALE OF GOODS ACT AND CONSUMER PROTECTION ACT:**

Contract of Sale: Essentials of Valid Sale - Sale and Agreement to Sell - Definition and Types of Goods - Conditions and Warranties - Caveat Emptor - Exceptions - Unpaid Seller - Rights of Unpaid Seller. Consumer Protection Act 1986: Definitions of Consumer - Person - Goods - Service - Consumer Dispute - Consumer Protection Councils - Consumer Dispute Redressal Agencies - Appeals.

**UNIT-III: INTELLECTUAL PROPERTY RIGHTS:**

Trade Marks: Definition - Registration of Trade Marks - Patents: Definition - Kinds of Patents - Transfer of the Patent Rights - Rights of the Patentee - Copyright: Definition - Rights of the Copyright Owner - Terms of Copyright - Copyright Infringement.

**UNIT-IV: MANAGEMENT OF COMPANIES AND MEETINGS:**

Director: Qualification - Disqualification - Appointment - Removal - Duties and Liabilities - Remuneration - Managing Director - Corporate Social Responsibility - Corporate Governance. Meetings: Meaning - Requisites - Notice - Proxy - Agenda - Quorum - Resolutions - Minutes - Kinds of Meetings: Shareholder Meetings - Statutory Meeting - Annual General Body Meeting - Extraordinary General Body Meeting - Board Meetings.

**UNIT-V: WINDING UP OF COMPANIES:**

Meaning - Modes of Winding Up: Winding Up by Court - Voluntary Winding Up - Compulsory Winding Up - Consequences of Winding Up - Removal of name of the company from Registrar of Companies - Insolvency and Bankruptcy code - 2016.

**SUGGESTED READINGS:**

- 1) Company Law: ND Kapoor, Sultan Chand and Co.
- 2) Company Law: Rajashree. - HPH
- 3) Business Law - Kavitha Krishna, Himalaya Publishing House
- 4) Company Law: Prof. G. Krishna Murthy, G. Kavitha, PBP
- 5) Company Law and Practice: GK Kapoor & Sanjay Dhamija, Taxmann Publication.
- 6) Business Law: D.S. Vital, S Chand



**Paper DSC 203:PROGRAMMING WITH C & C++**

Hours Per Week: 5

Exam Hours: 1 ½

Credits: 5

Marks: 50U+35P+15I

**Objective:** Fundamental Concepts of Programming in C and Object Oriented Programming in C++.

**UNIT-I: Introduction:** Computer of Languages- Flow charts-algorithms-History of C language - Basic Structure-Programming Rules -Commonly used library functions - Executing the C Program - Pre-processors in "C"- Keywords & Identifiers - Constants - **Variables:** Rules for defining variables - Scope and Life of a Variable--**Data types** - Type Conversion - Formatted Input and Output operations. **Operators:** Introduction - Arithmetic - Relational - Logical - Assignment - Conditional - Special - Bitwise-Increment / Decrement operator.

**UNIT-II: Conditional statements:** Introduction - If statements - If-else statements - nested if-else - break statement-continue and exit-statement - goto-statement-Switch statements. **Looping statements:** Introduction-While statements - Do-while statements - For Statements-nested loop statements.

**UNIT-III: Functions:** Definition and declaration of functions- Function proto type-return statement- types of functions and Built-in functions.**User-defined functions:** Introduction- Need for user defined Function and Components of functions. **Arrays:** Introduction- Defining an array-Initializing an array-One dimensional array- Multi dimensional array. **Strings:** Introduction-Declaring and initializing string- and Handling Strings -String handling functions. **Pointers:** Features of pointers- Declaration of Pointers- advantages of pointers.

**UNIT-IV: Structures:** Features of Structures - Declaring and initialization of Structures - Structure within Structure-Array of Structures- Enumerated data type. **Unions:** Definition and advantages of Unions comparison between Structure & Unions. **Object Oriented Programming:** Introduction to Object Oriented Programming - Structure of C++ -Simple program of C++-Differences between C & C++

**UNIT-V: Classes and Objects:** Data Members-Member Functions - Object Oriented- Class- Object- Encapsulation-Abstraction concepts-Polymorphism (Function overloading and Operator Overloading) Inheritance- (Inheritance Forms and Inheritance Types).

**SUGGESTED READINGS:**

1. Programming with C&C++ :IndrakantiSekhar,V.V.R.Raman&V.N.Battu, Himalaya Publishers.
2. Programming in ANSI C: Balagurusamy, McGraw Hill.
3. Mastering C: K.R. Venugopal, McGraw Hill.
4. C: The Complete Reference: H.Schildt, McGraw Hill.
5. Let Us C: Y.Kanetkar, BPB.
6. Objected Oriented Programming with C++: E. Balagurusamy, McGraw Hill.