SRI VENKATESWARA UNIVERSITY : : TIRUPATI

(visit us: www.svuniversity.edu.in)

Telephone No: 91-877-2289429
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No: C-II(E)/Regulations 2015-16

Dated: 29-08-2017

FROM

THE REGISTRAR
S.V.UNIVERSITY
TIRUPATI

B VII (6)
28 |10|2017

To

All the Principals of all
the degree colleges in
the SVU Area.

Sir/Madam,

Sub: S.V. University – Academic Branch – Revised AP CBCS Regulations 2015 BA/BSc/B.Com etc., Under Graduate Programmes – Communicated - Regarding.

REF: 1. Resolution No. E-1, dated 28-03-2017 of the Academic Senate.
2. This revision uploaded in the University Website on 30-03-2016.

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I am, by direction, to inform that the Academic Senate at its meeting held on 28-03-2017 under reference first cited, ratified the action taken by the Vice-chancellor in approving the revised "AP CBCS Regulations 2015" given by the APSCHE related to Under Graduate Programmes (B.A.,/B.Sc.,/B.Com., etc) effective from the batch of students admitted during the academic year 2015-16 and the same has already uploaded in the University website on 30-03-2016.

Hence, I am to request you to circulate the same among the students and staff members concerned of your college, for their information.

Yours faithfully,
Sd/- M. DEVARAJULU
REGISTRAR

Encl: As above

Copy to the Controller of Examinations, S.V. University for information and necessary action.
Copy to all the Principals of all the Degree Colleges in the S.V.U. Area.
Copy to the Superintendent, B-I,B-II ,B-III ,B-V, B-VII Sections of Examinations Branches of
S.V. University, for information and necessary action.
Copy to file.

//T.C.F.B.O.//

DEPUTY REGISTRAR
(ACADEMIC)

E – 1 The Vice-Chancellor, reported that on the recommendations of the Chairman / Chairperson, concerned Boards of Studies in U.G., and in view of urgency, he had approved the revised Regulations, Scheme of Examinations, Syllabi, List of Text and Reference Books and Model Question Papers relating to Three Year Degree Courses (B.A., / B.Com., / B.Sc., / B.B.A., B.C.A., B.H.M., B.Music & Dance) under CBCS Semester System for Ist and IInd Semesters effective from the batch of students admitted into Ist Year Degree Courses from the academic year 2015-16 and requested for ratification of the action taken by him.

NOTE

1. The APSCHE, proposed to introduce the CBCS for undergraduate programmes (B.A., / B.Com., / B.Sc., etc.,) to introduce uniform grading system throughout Andhra Pradesh from the academic year 2015-16.

2. The Chairman / Chairperson, concerned Boards of Studies in U.G., at its meeting held on 11-07-2015, 30-10-2015 and 11-01-2016 have recommended the above Regulations of CBCS, Scheme of Examinations, Syllabi, List of Text and Reference Books and Model Question Papers.

3. The above have already been communicated to all the concerned with this office letter even No.C-II(E) / UG / Syll / MPQ / 2015, dated 05-10-2015 and 4-01-2016 and also it has been put in the University Website 'www.svuniversity.ac.in'.

4. For a copy of the above Regulations, Scheme of Examinations, Syllabi, List of Text and Reference Books and Model Question Papers relating to Three Year Degree Courses (B.A., / B.Com., / B.Sc., / B.B.A., B.C.A., B.H.M & B.Music & Dance) under CBCS Semester System for Ist and IInd Semesters of Ist Year Degree Courses **vide Appendix – (F)**.

Prof. B. Bhagavan Reddy moved that the action taken by the Vice-Chancellor be ratified.

After a discussion in which Sri Guru Prasad, The Rector, SVU, the Principal, Gate Degree College, Tirupati, the mover and the Vice-Chancellor took part that the Chairman informed the House, University had implemented the CBCS pattern for UG Programmes, as proposed by the APSCHE. He also assured that any suggestions in this regard would be forwarded to the APSCHE for consideration.

The Principal, Gate Degree College, Tirupati, proposed to include the Faculty of Private Degree Colleges in the Board of Studies of UG Programmes.

The Chairman assured that the Faculty of Private Degree Colleges would be invited as Special Invitees.

The motion was then put to the House and declared carried.

Asst.,   Supdt.,   A.A.O(Acad)   Joint Registrar

MINIMUM COURSE CURRICULUM FOR UNDERGRADUATE COURSES UNDER CHOICE BASED CREDIT SYSTEM

MINIMUM COURSE CURRICULUM FOR UNDERGRADUATE COURSES UNDER CHOICE BASED CREDIT SYSTEM

Background/Preamble:

Ministry of Human Resource Development (HRD), Govt. of India, has already initiated the process for developing New Education Policy (NEP) in our country to bring out reforms in Indian education system. University Grants Commission (UGC) participates more actively in developing National Education Policy, its execution and promotion of higher education in our country. The UGC has already initiated several steps to bring equity, efficiency and academic excellence in National Higher Education System. The important ones include innovation and improvement in course- curricula, introduction of paradigm shift in learning and teaching pedagogy, examination and education system.

The education plays enormously significant role in building of a nation. There are quite a large number of educational institutions, engaged in imparting education in our country. Majority of them have entered recently into semester system to match with international educational pattern. However, our present education system produces young minds lacking knowledge, confidence, values and skills. It could be because of complete lack of relationship between education, employment and skill development in conventional education system. The present alarming situation necessitates transformation and/or redesigning of education system, not only by introducing innovations but developing "learner-centric approach in the entire education delivery mechanism and globally followed evaluation system as well.

Majority of Indian higher education institutions have been following marks or percentage based evaluation system, which obstructs the flexibility for the students to study the subjects/courses of their choice and their mobility to different institutions. There is need to allow the flexibility in education system, so that students depending upon their interests and aims can choose inter-disciplinary, intra-disciplinary and skill-based courses. This can only be possible when choice based credit system (CBCS), an internationally acknowledged system, is adopted. The choice based credit system not only offers opportunities and avenues to learn core subjects but also exploring additional avenues of learning beyond the core subjects for holistic development of an individual. The CBCS will undoubtedly facilitate us bench mark our courses with best international academic practices. The CBCS has more advantages than disadvantages.

Advantages of the choice based credit system:

- Shift in focus from the teacher-centric to student-centric education.
- Student may undertake as many credits as they can cope with (without repeating all courses in a given semester if they fail in one/more courses).
- CBCS allows students to choose inter-disciplinary, intra-disciplinary courses, skill oriented papers (even from other disciplines according to their learning needs, interests and aptitude) and more flexibility for students).

- CBCS makes education broad-based and at par with global standards. One can take credits by combining unique combinations. For example, Physics with Economics, Microbiology with Chemistry or Environment Science etc.
- CBCS offers flexibility for students to study at different times and at different institutions to complete one course (ease mobility of students). Credits earned at one institution can be transferred.

Disadvantages:

- Difficult to estimate the exact marks
- Workload of teachers may fluctuate
- Demand good infrastructure for dissemination of education

CHOICE BASED CREDIT SYSTEM (CBCS):

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses. The courses can be evaluated following the grading system, which is considered to be better than the conventional marks system. Therefore, it is necessary to introduce uniform grading system in the entire higher education in India. This will benefit the students to move across institutions within India to begin with and across countries. The uniform grading system will also enable potential employers in assessing the performance of the candidates. In order to bring uniformity in evaluation system and computation of the Cumulative Grade Point Average (CGPA) based on student's performance in examinations, the UGC has formulated the guidelines to be followed.

Tentative list of Undergraduate Disciplines/Courses to be covered under CBCS developing common minimum structure and syllabi:

BACHELOR COURSES UNDER CBCS IN INDIA

S.NO.	UNDERGRADUATE COURSES	
1	**Arts and Humanities**	1. Hindi 2. Sanskrit 3. Modern Indian Language-Punjabi 4. English 5. Sociology 6. Public Administration 7. Defense and Strategic studies 8. History 9. Geography 10. Economics 11. History and Tourism 12. Philosophy 13. Political Science 14. Music 15. Journalism 16. Psychology 17. Mathematics 18. Home Science 19. Education
2	**Commerce and Management**	20. Business Economics 21. Commerce 22. Banking and Insurance 23. Accounting and Finance 24. Financial Markets 25. Company and Compensation law 26. Business Administration 27. Labor Management 28. Tourism and Travel management
3	**Science**	29. B.Sc. Medical/Life Sciences 30. Chemistry 31. Physics 32. Botany 33. Zoology 34. Biotechnology

		35. Microbiology
		36. Biochemistry
		37. Computer Science
		38. Environmental Science
		39. Food Technology
		40. Electronic Science
		41. Information Technology
		42. Forensic Science
		43. Biomedical Science
		44. Physical Science
		45. Operational Research
		46. Statistics
		47. Anthropology
5	**Others**	48. LLB
		49. BCA
		50. B. Lib
		51. B.Ed
		52. B.El.Ed
		53. Multimedia and Communication
		54. Fine Arts
		55. Performing Arts
		56. Physical Education and Health
		57. Foreign Languages

Outline of Choice Based Credit System:

1. **Core Course:** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

2. **Elective Course:** Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

    2.1 **Discipline Specific Elective (DSE) Course**: Elective courses may be offered by the main discipline/subject of study is referred to as Discipline Specific Elective. The University/Institute may also offer discipline related Elective courses of interdisciplinary nature (to be offered by main discipline/subject of study).

    2.2 **Dissertation/Project**: An elective course designed to acquire special/advanced knowledge, such as supplement study/support study to a project work, and a candidate studies such a course on his own with an advisory support by a teacher/faculty member is called dissertation/project.

    2.3 **Generic Elective (GE) Course**: An elective course chosen generally from an unrelated discipline/subject, with an intention to seek exposure is called a Generic Elective.

    P.S.: A core course offered in a discipline/subject may be treated as an elective by other discipline/subject and vice versa and such electives may also be referred to as Generic Elective.

3. **Ability Enhancement Courses (AEC):** The Ability Enhancement (AE) Courses may be of two kinds: Ability Enhancement Compulsory Courses (AECC) and Skill Enhancement Courses (SEC). "AECC" courses are the courses based upon the content that leads to Knowledge enhancement; i. Environmental Science and ii. English/MIL Communication. These are mandatory for all disciplines. SEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc.

    3.1 Ability Enhancement Compulsory Courses (AECC): Environmental Science, English Communication/MIL Communication.

    3.2 Skill Enhancement Courses (SEC): These courses may be chosen from a pool of courses designed to provide value-based and/or skill-based knowledge.

* **Introducing Research Component in Under-Graduate Courses**

Project work/Dissertation is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A Project/Dissertation work would be of 6 credits. A Project/Dissertation work may be given in lieu of a discipline specific elective paper.

Implementation:

1. The CBCS may be implemented in Central/State Universities subject to the condition that all the stakeholders agree to common minimum syllabi of the core papers and at least follow common minimum curriculum as fixed by the UGC. The allowed deviation from the syllabi being 20 % at the maximum.
2. The universities may be allowed to finally design their own syllabi for the core and elective papers subject to point no. 1. UGC may prepare a list of elective papers but the universities may further add to the list of elective papers they want to offer as per the facilities available.
3. Number of Core papers for all Universities has to be same for both UG Honors as well as UG Program.
4. Credit score earned by a student for any elective paper has to be included in the student's overall score tally irrespective of whether the paper is offered by the parent university (degree awarding university/institute) or not.
5. For the introduction of AE Courses, they may be divided into two categories:
    a) AE Compulsory Courses: The universities participating in CBCS system may have common curriculum for these papers. There may be one paper each in the 1st two semesters viz. (i) English/MIL Communication, (ii) Environmental Science.
    b) Skill Enhancement Courses: The universities may decide the papers they may want to offer from a common pool of papers decided by UGC or the universities may choose such papers themselves in addition to the list suggested by UGC. The universities may offer one paper per semester for these courses.
6. The university/Institute may plan the number of seats per elective paper as per the facility and infrastructure available.
7. An undergraduate degree with Honours in a discipline may be awarded if a student completes 14 core papers in that discipline, 2 Ability Enhancement Compulsory Courses (AECC), minimum 2 Skill Enhancement Courses (SEC) and 4 papers each from a list of Discipline Specific Elective and Generic Elective papers respectively.
8. An undergraduate Program degree in Science disciplines may be awarded if a student completes 4 core papers each in three disciplines of choice, 2 Ability Enhancement Compulsory Courses (AECC), minimum 4 Skill Enhancement Courses (SEC) and 2 papers each from a list of Discipline Specific Elective papers based on three disciplines of choice selected above, respectively.
9. An Undergraduate program degree in Humanities/ Social Sciences/ Commerce may be awarded if a student completes 4 core papers each in two disciplines of choice, 2 core papers each in English and MIL respectively, 2 Ability Enhancement Compulsory Courses (AECC), minimum 4 Skill Enhancement Courses (SEC), 2 papers each from a list of Discipline Specific Elective papers based on the two disciplines of choice selected above, respectively, and two papers from the list of Generic Electives papers.
10. The credit(s) for each theory paper/practical/tutorial/project/dissertation will be as per the details given in A, B, C, D for B.Sc. Honours, B.A./B.Com. Honours, B.Sc. Program and B.A./B.Com. Program, respectively.
11. Wherever a University requires that an applicant for a particular M.A./M.Sc. /Technical/Professional course should have studied a specific discipline at the undergraduate level, it is suggested that obtaining 24 credits in the concerned discipline at the undergraduate level may be deemed sufficient to satisfy such a requirement for admission to the M.A./M.Sc./Technical/Professional course.

A
Details of courses under B.Sc. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

==

I. Core Course

(14 Papers)	14X4= 56	14X5=70
Core Course Practical / Tutorial*		
(14 Papers)	14X2=28	14X1=14

II. Elective Course

(8 Papers)

A.1. Discipline Specific Elective	4X4=16	4X5=20
(4 Papers)		
A.2. Discipline Specific Elective Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		
B.1. Generic Elective/ Interdisciplinary	4X4=16	4X5=20
(4 Papers)		
B.2. Generic Elective Practical/ Tutorial*	4 X 2=8	4X1=4
(4 Papers)		

- **Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1. **Ability Enhancement Compulsory Courses (AECC)**

(2 Papers of 2 credit each)	2 X 2=4	2 X 2=4
Environmental Science		
English/MIL Communication		

2. **Skill Enhancement Courses (SEC)**

(Minimum 2)	2 X 2=4	2 X 2=4
(2 Papers of 2 credit each)		

| | Total credit | 140 | | 140 | |

Total credit   140   140

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

* wherever there is a practical there will be no tutorial and vice-versa

PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B. Sc. Honours

	CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific DSE (4)	Elective: Generic (GE) (4)
I	C 1 C 2	(English Communication/MIL)/ Environmental Science			GE-1
II	C 3 C 4	Environmental Science/(English/MIL Communication)			GE-2
III	C 5 C 6 C 7		SEC -1		GE-3
IV	C 8 C 9 C 10		SEC -2		GE-4
V	C 11 C 12			DSE-1 DSE -2	
VI	C 13 C 14			DSE -3 DSE -4	

B

Details of courses under B.A./ B.Com. (Honors)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial

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I. Core Course
(14 Papers)

14X4= 56   14X5=70

Core Course Practical / Tutorial*
(14 Papers)

14X2=28   14X1=14

II. Elective Course
(8 Papers)
A.1. Discipline Specific Elective   4X4=16   4X5=20
(4 Papers)

A.2. Discipline Specific Elective
    Practical / Tutorials*   4 X 2=8   4X1=4
(4 Papers)

B.1. Generic Elective/Interdisciplinary   4X4=16   4X5=20
(4 Papers)
B.2. Generic Elective
    Practical / Tutorials*   4 X 2=8   4X1=4
(4 Papers)

- **Optional Dissertation or project work in place of one Discipline Specific elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses
1. **Ability Enhancement Compulsory Courses (AECC)**   2 X 2=4   2 X 2=4
(2 Papers of 2 credits each)
   Environmental Science
   English Communication/MIL
2. **Skill Enhancement Courses (SEC)**
   (Minimum 2, Max. 4)   2 X 2=4   2 X 2=4
(2 Papers of 2 credits each)

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

*wherever there is a practical there will be no tutorial and vice-versa.

PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.A./B.Com. Honours

	CORE COURSE (14)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific DSE (4)	Elective: Generic (GE) (4)
I	C 1	(English/ MIL Communication)/ Environmental Science			GE-1
	C 2				
II	C 3	Environmental Science/(English/ MIL Communication)			GE-2
	C 4				
III	C 5		SEC -1		GE-3
	C 6				
	C 7				
IV	C 8		SEC -2		GE-4
	C 9				
	C 10				
V	C 11			DSE-1	
	C 12			DSE -2	
VI	C 13			DSE -3	
	C 14			DSE -4	

C

Details of Courses Under Undergraduate Programme (B.Sc.)

Course	*Credits	
	Theory+ Practical	Theory+Tutorials
I. Core Course **(12 Papers)** 04 Courses from each of the 03 disciplines of choice	12X4= 48	12X5=60
Core Course Practical / Tutorial* **(12 Practical/ Tutorials*)** 04 Courses from each of the 03 Disciplines of choice	12X2=24	12X1=12
II. Elective Course **(6 Papers)** Two papers from each discipline of choice including paper of interdisciplinary nature.	6x4=24	6X5=30
Elective Course Practical / Tutorials* **(6 Practical / Tutorials*)** Two Papers from each discipline of choice including paper of interdisciplinary nature	6 X 2=12	6X1=6

- **Optional Dissertation or project work in place of one Discipline elective paper (6 credits) in 6th Semester**

III. Ability Enhancement Courses

1**. Ability Enhancement Compulsory Courses (AECC)** **(2 Papers of 2 credits each)** **Environmental Science** **English/MIL Communication**	2 X 2=4	2X2=4
2**. Skill Enhancement Courses (SEC)**	4 X 2=8	4 X 2=8

(4 Papers of 2 credits each)   _____   _____

                                    Total credit= 120   Total credit= 120

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

*wherever there is practical there will be no tutorials and vice -versa

PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.Sc. Program

	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (6)
I	DSC- 1 A	(English/MIL Communication)/ Environmental Science		
	DSC- 2 A			
	DSC- 3 A			
II	DSC- 1 B	Environmental Science / (English/MIL Communication)		
	DSC- 2 B			
	DSC- 3 B			
III	DSC- 1 C		SEC-1	
	DSC- 2 C			
	DSC- 3 C			
IV	DSC- 1 D		SEC -2	
	DSC- 2 D			
	DSC- 3 D			
V			SEC -3	DSE-1 A
				DSE-2 A
				DSE-3 A

I			SEC - 4	DSE-1 B
				DSE-2 B
				DSE-3 B

D

Details of Courses Under Undergraduate Programme (B.A./ B.Com.)

Course	*Credits	
	Paper+ Practical	Paper + Tutorial
I. Core Course	12X4= 48	12X5=60

(12 Papers)
Two papers – English
Two papers – MIL
Four papers – Discipline 1.
Four papers – Discipline 2.

Core Course Practical / Tutorial*	12X2=24	12X1=12

(12 Practicals)

II. Elective Course	6x4=24	6X5=30

(6 Papers)
    Two papers- Discipline 1 specific
    Two papers- Discipline 2 specific
    Two papers- Inter disciplinary
Two papers from each discipline of choice
and two papers of interdisciplinary nature.

Elective Course Practical / Tutorials*	6 X 2=12	6X1=6

(6 Practical/ Tutorials*)
    Two papers- Discipline 1 specific
    Two papers- Discipline 2 specific
    Two papers- Generic (Inter disciplinary)
Two papers from each discipline of choice
including papers of interdisciplinary nature.

- **Optional Dissertation or project work in place of one elective paper (6 credits) in 6ᵗʰ Semester**

III. Ability Enhancement Courses

1**. Ability Enhancement Compulsory Courses (AECC)**	2 X 2=4	2 X 2=4

(2 Papers of 2 credits each)
    Environmental Science
    English Communication/MIL

2**. Skill Enhancement Courses (SEC)**	4 X 2=8	4 X 2=8

(4 Papers of 2 credits each)

Total credit= 120	**Total = 120**

Institute should evolve a system/policy about ECA/ General Interest/Hobby/Sports/NCC/NSS/related courses on its own.

*wherever there is a practical there will be no tutorial and vice-versa.

PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.A./B.Com Program

	CORE COURSE (12)	Ability Enhancement Compulsory Course (AECC) (2)	Skill Enhancement Course (SEC) (2)	Discipline Specific Elective DSE (4)	Generic Elective GE (2)
I	English/MIL-1 DSC- 1 A DSC- 2 A	(English/MIL Communication) / Environmental Science			
II	MIL/English-1 DSC- 1 B DSC- 2 B	Environmental Science/ (English/MIL Communication)			
III	English/MIL-2 DSC- 1 C DSC- 2 C		SEC -1		
IV	MIL/English-2 DSC- 1 D DSC- 2 D		SEC -2		
V			SEC -3	DSE-1 A DSE-2 A	GE-1

			SEC -4	DSE-1 B	GE-2
VI				DSE-2 B	

12. The Universities/Institutes may offer any number of choices of papers from different disciplines under Generic Elective and Discipline Specific Elective as per the availability of the courses/faculty.
13. Universities/Institutes may evolve a system/policy about Extra Curricular Activities/ General Interest and Hobby Courses/Sports/NCC/NSS/Vocational courses/related courses on their own.
14. A student can opt for more number of Elective and AE Elective papers than proposed under the model curriculum of UGC. However the total credit score earned will not exceed 160 credits for UG Honours and 140 credits for UG Program degree.
15. The new scheme of UG courses should be given due consideration while framing the admission eligibility requirement for PG/ Technical courses in Indian Universities/Institutions to ensure that students following inter and multi-disciplinary format under CBCS are not at a disadvantage. It is suggested that wherever required, obtaining 24 credits in particular discipline may be considered as the minimum eligibility, for admission in the concerned discipline, for entry to PG/Technical courses in Indian Universities/Institutions.

Conversion of credit(s) into grade(s): The following illustrations could be taken as an example for computing SGPA and CGPA from credits for Honours courses in all disciplines, degree Program courses in Science subjects and degree Program courses in Humanities, Social Sciences and Commerce subjects:

1. Grades and Grade Points

Letter Grade	Grade Point
O (Outstanding)	10
A+(Excellent)	9
A (Very Good)	8
B+(Good)	7
B (Above Average)	6

C (Average)	5
P (Pass)	4
F (Fail)	0
Ab (Absent)	0

1 A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.
2 For non credit courses 'Satisfactory' or "Unsatisfactory' shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA.
3 The Universities can decide on the grade or percentage of marks required to pass in a course and also the CGPA required to qualify for a degree taking into consideration the recommendations of the statutory professional councils such as AICTE, MCI, BCI, NCTE etc.,
4 The statutory requirement for eligibility to enter as assistant professor in colleges and universities in the disciplines of arts, science, commerce etc., is a minimum average mark of 50% and 55% in relevant postgraduate degree respectively for reserved and general category. Hence, it is recommended that the cut-off marks for grade B shall not be less than 50% and for grade B+, it should not be less than 55% under the absolute grading system. Similarly cut-off marks shall be fixed for grade B and B+ based on the recommendation of the statutory bodies (AICTE, NCTE etc.,) of the relevant disciplines.

Illustration of Computation of SGPA and CGPA and Format for Transcripts

2. B. Sc. / B. Com. / B.A. Honors Course

Course	Credit	Grade Letter	Grade Point	Credit Point (Credit X Grade)	SGPA (Credit Point/Credit)
Semester I					
C-1	06	A	8	48	
C-2	06	B+	7	42	
AECC-1	02	B	6	12	
GE-1	06	B	6	36	
Total	**20**			**138**	**6.9 (138/20)**
Semester II					

C-3	06	B	6	36	
C-4	06	C	5	30	
AECC -2	02	B+	7	14	
GE-2	06	A+	9	54	
Total	**20**			**134**	**6.7 (134/20)**
Semester III					
C-5	06	A+	9	54	
C-6	06	0	10	60	
C-7	06	A	8	48	
SEC -1	02	A	8	16	
GE-3	06	0	10	60	
Total	**26**			**238**	**9.15 (238/26)**
Semester IV					
C-8	06	B	6	36	
C-9	06	A+	9	54	
C-10	06	B	6	36	
SEC -2	02	A+	9	18	
GE-4	06	A	8	48	
Total	**26**			**192**	**7.38 (192/26)**
Semester V					
C-11	06	B	6	36	
C-12	06	B+	7	42	
DSE-1	06	0	10	60	
DSE-2	06	A	8	48	
Total	**24**			**186**	**7.75 (186/24)**

Semester VI					
C-13	06	A+	9	54	
C-14	06	A	8	48	
DSE-3	06	B+	7	42	
DSE-4	06	A	8	48	
Total	**24**			**192**	**8.0 (192/24)**
CGPA					
Grand Total	**140**			**1080**	**7.71 (1080/144)**

Semester 1	Semester 2	Semester 3	Semester 4
Credit: 20; SGPA: 6.9	Credit: 20; SGPA: 6.7	Credit: 26; SGPA: 9.15	Credit: 26; SGPA: 7.38

Semester 5	Semester 6
Credit: 24; SGPA: 7.75	Credit: 24; SGPA: 8.0

Thus, **CGPA** = (20 x 6.9 + 20 x 6.7 + 26 x 9.15 + 26 x 7.38 + 24 x 7.75 + 24 x 8.0)/ 140 = **7.71**

2. B.Sc Program Course

Course	Credit	Grade Letter	Grade Point	Credit Point (Credit X Grade)	SGPA (Credit Point/Credit)
Semester I					
DSC-1A	06	B	6	36	

19

DSC-2A	06	B+	7	42	
DSC-3A	06	C	5	30	
AECC -1	02	B	6	12	
Total	**20**			**120**	**6.0**
Semester II					
DSC-1B	06	B	6	36	
DSC-2B	06	B	6	36	
DSC-3B	06	C	5	30	
AECC-2	02	A+	9	18	
Total	**20**			**120**	**6.0**
Semester III					
DSC-1C	06	A	8	48	
DSC-2C	06	A+	9	54	
DSC-3C	06	A	8	48	
SEC -1	02	A	8	16	
Total	**20**			**166**	**8.3**
Semester IV					
DSC-1D	06	C	5	30	
DSC-2D	06	B	6	36	
DSC-3D	06	B+	7	42	
SEC -2	02	A+	9	18	
Total	**20**			**126**	**6.3**
Semester V					
DSE-1A	06	B	6	36	
DSE-2A	06	A+	9	54	

DSE-3A	06	A	8	48	
SEC -3	02	B	6	12	
Total	**20**			**150**	**7.5**
Semester VI					
DSE-1B	06	B+	7	42	
DSE-2B	06	B	6	36	
DSE-3B	06	C	5	30	
SEC -4	02	C	5	10	
Total	**20**			**118**	**5.9**
CGPA					
Grand Total	**120**			**800**	**6.67 (800/120)**

Semester 1	Semester 2	Semester 3	Semester 4
Credit: 20; SGPA: 6.0	Credit: 20; SGPA: 6.0	Credit: 20; SGPA: 8.3	Credit: 20; SGPA: 6.3

Semester 5	Semester 6
Credit: 20; SGPA: 7.5	Credit: 20; SGPA: 5.9

Thus, **CGPA** = (20 x 6.0 + 20 x 6.0 + 20 x 8.3 + 20 x 6.3 + 20 x 7.5 + 20 x 5.9)/ 120 = **6.67**

3. B.A. / B.Com. Program Course

Course	Credit	Grade Letter	Grade Point	Credit Point (Credit X Grade)	SGPA (Credit Point/Credit)
Semester I					

English-1	06	A	8	48	
DSC-1A	06	B	6	36	
DSC-2A	06	A	8	48	
AECC-1	02	B+	7	14	
Total	**20**			**146**	**7.3**
Semester II					
MIL-1	06	A+	9	54	
DSC-1B	06	B+	7	42	
DSC-2B	06	B+	7	42	
AECC-2	02	B	6	12	
Total	**20**			**150**	**7.5**
Semester III					
English -2	06	B	6	36	
DSC-1C	06	A	8	48	
DSC-2C	06	B	6	36	
SEC -1	02	A	8	16	
Total	**20**			**136**	**6.8**
Semester IV					
MIL - 2	06	B+	7	42	
DSC-1D	06	A+	9	54	
DSC-2D	06	A	8	48	
SEC -2	02	B	6	12	
Total	**20**			**156**	**7.8**
Semester V					
SEC -3	02	A+	9	18	

DSE-1A	06	A	8	48	
DSE-2A	06	A+	9	54	
GE-1	06	A+	9	54	
Total	**20**			**174**	**8.7**
Semester VI					
SEC -4	02	A+	9	18	
DSE-2A	06	B	6	36	
DSE-2B	06	A	8	48	
GE-2	06	A	8	48	
Total	**20**			**150**	**7.5**
CGPA					
Grand Total	**120**			**912**	**7.6 (912/120)**

Semester 1	**Semester 2**	**Semester 3**	**Semester 4**
Credit: 20; SGPA: 7.3	Credit: 20; SGPA: 7.5	Credit: 20; SGPA: 6.8	Credit: 20; SGPA: 7.8

Semester 5	**Semester 6**
Credit: 20; SGPA: 8.7	Credit: 20; SGPA: 7.5

Thus, **CGPA =** (20 x 7.3 + 20 x 7.5 + 20 x 6.8 + 20 x 7.8 + 20 x 8.7 + 20 x 7.5)/ 120 = **7.6**

*Transcript (Format): Based on the above recommendations on Letter grades, grade points and SGPA and CCPA, the HEIs may issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

Structure of B.Sc. Honours Botany under CBCS

Core Course

1. Algae and Microbiology
2. Cell Biology
3. Mycology and Phytopathology
4. Archegoniate
5. Morphology and Anatomy
6. Economic Botany
7. Basics of Genetics
8. Molecular Biology
9. Ecology
10. Plant Systematics
11. Reproductive Biology of Angiosperms
12. Plant Physiology
13. Plant Metabolism
14. Plant Biotechnology

Discipline Centric Elective (Any four)

1. Bio-molecules
2. Analytical Techniques in Plant Sciences
3. Bioinformatics
4. Stress Biology
5. Plant Breeding
6. Natural Resource Management
7. Horticultural Practices and Post-Harvest Technology
8. Research Methodology
9. Industrial and Environmental Microbiology
10. Biostatistics

Generic Elective(Any four)

1. Biodiversity (Microbes, Algae, Fungi and Archegoniate)
2. Plant Ecology and Taxonomy
3. Plant Anatomy and Embryology
4. Economic Botany and Biotechnology
5. Plant Diversity and Human Welfare
6. Environmental Biotechnology

Ability Enhancement Course
Compulsory

1. Environmental Science
2. English/MIL Communication

Elective (Any two)

1. Mushroom Culture Technology
2. Bio-fertilizers
3. Herbal Technology
4. Nursery and Gardening
5. Floriculture
6. Ethno botany

Structure of B.Sc. Programme (Life Sciences)/ B.Sc. Medical under CBCS

Core Courses (12)

Botany
1. Biodiversity (Microbes, Algae, Fungi and Archegoniate)
2. Cell and Molecular Biology
3. Plant Anatomy and Embryology
4. Plant Physiology and Metabolism

Zoology
1. Animal Diversity-I
2. Animal Diversity -II
3. Genetics and Evolution
4. Physiology and Biochemistry

Chemistry
1. Bonding
2. Conceptual Organic Chemistry
3. Thermodynamics, chemical equilibrium and electrochemistry
4. Spectroscopy

Discipline Centric Electives

Botany (Any two)
1. Economic Botany and Biotechnology
2. Plant Ecology and Taxonomy
3. Analytical Techniques in Plant Sciences
4. Bioinformatics
5. Research Methodology

Zoology (Any two)
1. Animal Behaviour
2. Reproductive Biology
3. Developmental Biology
4. Biotechnology
5. Immunology
6. Applied Zoology

Chemistry (Any two)
1. Molecules of Life
2. Bioinorganic, environmental & green chemistry
3. Bioinorganic, environmental & green chemistry
4. Analytical methods in chemistry

Ability Enhancement Course

Compulsory
1. Environmental Science
2. English/MIL Communication

Elective (Any four)
1. Mushroom Culture Technology
2. Bio-fertilizers
3. Herbal Technology
4. Nursery and Gardening
5. Floriculture
6. Ethno botany

The subject experts have to prepare and submit the syllabi of all the papers pertaining to honors and programme courses latest by 30th March, 2015. The next meeting for finalization of syllabi for the courses meeting held on 20th March, 2015, has been fixed on 31st March, 2015.

The experts for subjects like Botany, Life Sciences, Zoology, Physics, Chemistry, Commerce, Economics, and Hindi.

SRI VENKATESWARA UNIVERSITY

CURRICULUM DEVLOPMENT

1. PREAMBLE

Andhra Pradesh Government has initiated several measures to make Andhra Pradesh as knowledge Hub. In view of this, important measures are to be taken to enhance academic standards and quality in higher education which include innovation and improvement in curriculum, teaching-learning process, examination and evaluation process to maintain minimum standards and quality in Higher education throughout Andhra Pradesh. The Higher education department of AP Government and the APSCHE has constituted various committees to achieve the goal of academic excellence in Higher Education. There are different approaches/systems followed by Universities, in Andhra Pradesh, towards examination, evaluation and grading system. We propose the Choice Bases Credit System for undergraduate programs *(B.A./B.Sc./B.Com., etc.,)*. It is desirable to introduce uniform grading system throughout AP, which will facilitate student's mobility from one University to other University. Further this will benefit the employers/organization to assess the performance of students.

TITLE :

These regulations shall be called "Choice Bases Credit System" . In short, it will be referred to as "AP CBCS Regulations 2015".

CHOICE BASED CREDIT SYSTEM:

Choice Bases Credit System (CBCS) It provides cafeteria type approach in which the students can choose courses of their interest, learn at their own pace, undergo additional courses as audit courses and acquire more skills and adopt an interdisciplinary approach in learning. This approach suits the needs of students to keep pace with the development in higher education and quality assurance in the light of globalization in higher education.

PROGRAM : Programme means a set of required number of Semesters for the award of a UG/PG/Diploma of a University in Andhra Pradesh.

5. **SEMESTER** : Semester means a term consisting of a minimum number of 450 contact hours, distributed over 90 instructional days in 16 weeks. In each semester, 16 weeks are meant for teaching and another additional 5 weeks are utilized for conduct of examination and evaluation purpose. Per week 36 working periods spread over to 6 days in a week. An academic year is divided into two semesters. Semesters will be known as either ODD Semester or EVEN semester. The Semester from June/July to October/November will be called as ODD Semesters of I, III and V and similarly the semester from November/December to March/April will be EVEN Semesters of II, IV and VI .Each semester requires 90 instructional days and 60 instructional hours for each subject.

6. **COURSE DURATION:** The maximum duration permitted to any student to successfully completeTHREE YEAR Degree Programme shall be SIX CONSECUTIVE academic years from the year of admission for a student admitted into the first year of programme.

7. **CREDIT :**A unit by which the course work is measured. It determines the number of hours of instruction required per week. One credit is equivalent to one hour of teaching (*Lecture or Tutorial*) or two hours of practical work/ field work per week.

   7.1. In each of the courses, credits will be assigned on the basis of the number of lectures / tutorials / laboratory work and other forms of learning required for completing the course contents in maximum 16 week schedule.

   7.2. The instructional days as worked out by the UGC for one academic year are 180 working days and 90 days per semester.

   7.3. UG Programmes have minimum five Theory Papers and three Labs (IN THE CASE OF Science courses) and two Foundation courses. It means a UG student has to complete 30 to 32 credits in each semester.

8. **GRADING SYSTEM:** It is a numerical weight allotted to each letter grade on a 10 point scale. After adding the internal marks (maximum 25 marks) to external marks (maximum 75 marks), the marks secured by a student from maximum 100 will be converted into a letter grade. The grade points are the numerical equivalent of letter grade assigned to a student in the 10 points scale. The Grades Classification is as follows

Marks	Grades	Performance Classification	Class
95 – 100	O	Outstanding	Distinction
85 - 94	E	Excellent	Distinction
75 - 84	A	Very Good	Distinction
60 - 74	B	Good	First
50 - 59	C	Average	Second
40 - 49	D	Pass	Third
< 40	F	Fail	Fail

PROGRAMME STRUCTURE:

9.1. COURSE: A Course is a component (a paper) of a programme. A course may be designed to involve lectures/tutorials/laboratory work/seminar/project work/practical training/report writing/Viva-voce, etc. or a combination of these, to meet effectively the teaching and learning needs and the credits may be assigned suitably. The programme will consists of (A) Core courses &Elective courses; and (B) Foundation courses &Skill Based Courses.

9.2. CORE COURSE: Core courses are those, knowledge of which is deemed essential for students registered for a particular Programme. A student shall have to choose the required courses from the list of core courses identified by the concerned Faculty. Core courses shall be spread over all the semesters.

9.3. ELECTIVE COURSES : A student shall choose the elective course depending upon his interest and choice. These courses are restricted to semesters V/VI of Third year only.

9.4. FOUNDATION/SKILL BASED COURSES: Courses, in this category, are aimed at enhancing the professional competency of students and increasing their employment prospects. This category includes courses in (i) Communication Skills (ii) Spoken English (iii) Personality Development, (iv) Environmental, Ethics,….etc.

10. Internal assessment:

10.1. The performance of the students in each semester shall be evaluated paper wise. The Scheme of instruction and Examinations shown below shall be followed.

Paper category	Internal Assessment Marks	University Exam. Marks
Theory	25	75
Practical's	25	75

10.2. In Theory papers two tests to be conducted for the Internal Assessment and best of two tests to be taken. First test shall be conducted in the middle of the Semester and second test shall be conducted at the end of the Semester. These tests to be conducted for 100 marks with 2 hours duration and reduced to 25 marks. These marks are to be communicated to the Controller of Examinations Office on or before the commencement of the end Semester examination, by the soft and hard copies.

10.3 In practical papers, the sessional (Internal Assessment Marks) marks shall be awarded based on day-to-day class work and tests, if any. The procedure shall be decided and announced by the department at the beginning of the semester.

10.4 In case of Minor Project work/Major Project work, the sessional (Internal Assessment Marks) marks shall be awarded based on the work turned out and presented in project mid-seminar and submitted in the form of project report.

11. University Examination : Evaluation will be done on a continuous basis. End semester practical examinations shall normally be held before the theory examinations.

11.1. For each theory subject there shall be a comprehensive University Examination of three hours duration. Setting of Question papers shall be done by external examiners from the panels recommended by the Board of Studies.

11.2. (a) The examiners for Practical examinations and Viva-voce examinations shall be appointed from among the panels submitted by the Chairperson/Chairman of the Board of Studies.

(b) The examiners for Project report evaluation for Minor/Major Project Works and Viva-voce examination for Minor/Major Project Works shall be appointed from among the panels submitted by the Chairperson/Chairman of the Board of Studies.

11.3. For each practical subject, the University Examination shall be conducted by one internal examiner and one external examiner for EVEN semesters only. In the case of ODD

semesters the College authorities shall conduct the practical's with two internal examiners as per the University norms.

11.4. Viva-voce Examination in Minor/Major Project work shall be conducted by one internal examiner and one external examiner.

11.5. The examiners for Project report evaluation for Minor/Major Project Works and Viva-voce examination for Minor/Major Project Works shall be appointed from among the panels submitted by the Chairperson/Chairman of the Board of Studies.

11.6. The internal examiners for major project work shall have at least five years of teaching experience. The appointments of the teaching faculty working in the colleges should have been approved by duly constituted committee of the University.

11.7. The internal examiners for Practical/Minor/Major Project work Viva-voce examinations shall be appointed on the recommendations of the Head of the Department duly forwarded by the Principal of the respective institution to the Chairperson of the Board of Studies. If none of the teachers in the department is eligible to act as internal examiner, as per the eligibility criteria prescribed, one more external examiner shall be appointed following the University norms.

12. **Question Paper Setting :** The Question papers shall be set by the University for 75 marks Semester-end Examinations as per the ChoiceBased Credit System (CBCS). The Semester-end Examination Question papers shall be sent to the respective Principals by the Controller of Examinations.

13. **ATTENDANCE REQUIREMENT :** Attendance in all the componentsis compulsory, while pursuing studies in any Semester and shall reckon as,

13.1. A candidate shall be eligible to appear for End semester examination if he/she acquires a minimum of 75% attendance in aggregate in all the subjects during a semester.

13.2. No consideration whatsoever in attendance will be shown to any student for late admission due to any reason.

13.3. Condonation of shortage of attendance may be recommended provided a student puts in at least 62.5% attendance in all the papers put together, and the Principal is satisfied with the reason for shortage of attendance.

13.4. A student who could not satisfy these requirements of attendance as given in clauses above, in any semester, shall have to repeat that semester.

13.5. Further a student is required to complete the course of study satisfying the attendance requirements in all the six semesters, within a period of first twelve semesters from the time of admission, failing which he/she shall forfeit his/her seat.

14. Academic Requirements :

A candidate shall be declared to have passed whole examination of a semester of he/she secures a minimum 40% out of 25 (i.e., 10 marks) of internal marks and 40% out of 75 (i.e., 30 marks) of end semester examination in each theory /practical's.

15. Award of Degree :

The UG Degree shall be conferred on a candidate who has satisfied the following:

15.1. The candidate must have satisfied minimum attendance requirements as stipulated in clause 13 and minimum academic requirements as prescribed in clause 14 in each of the six semesters of the UG Programme.

15.2. The programme of study for the UG (B.A./B.Sc./ B.Com., etc.) Degree shall cover normally a period of three academic years, comprising of 6 semesters and

15.3. No student shall be permitted to complete the course of study of UG Degree earlier than six semesters (3 years) or to take not more than Twelve consecutive semesters, failing which he/she shall forfeits his/her seat, w.e.f. date of admission.

16. Award of Class :

16.1 After a candidate has satisfied all requirements for the award of the degree as specified in clause 15, he/she shall be placed in one of the following classifications after the regular period of study of six semesters.

CGPA	CLASSIFICATION
$7.5 \le CGPA \le 10$	Distinction
$6.0 \le CGPA < 7.4$	First Class
$5.0 \le CGPA < 6.0$	Second Class
$4.0 \le CGPA < 5.0$	Third Class
< 4.0	Fail

Note. CGPA shall be calculated separately for the following : Part I, Part II and Part III.

16.2. A candidate before and even after becoming eligible for the award of the Degree, may reappear for the University Examination as and when conducted, in any of the theory

subjects which he/she has already passed for the purpose of improving the aggregate. However, this facility cannot be availed by a candidate who has taken the Provisional pass Certificate. Candidates shall not be permitted to appear for University examination in Practical papers including project work for the purpose of improvement.

16.3. The marks are converted into grade points of each course(paper) as follows

Grade Point = (MS/10),   MS denotes the marks secured

17. **Calculation Of Cumulative Grade Point Average (CGPA) and Semester Grade Point Average(SGPA)**

Cumulative performance of all the semesters/ semesters together will reflect performance in the whole programme and it will be known as Semester Grade Point Average(SGPA), Cumulative Grade Point Average (CGPA) respectively. Thus SGPA/CGPA are the real indicators of a student's performance of the programme. CGPA is computed as the ratio of total credit points secured by a student in various courses in all semesters and sum of the total credits of all courses in all the semesters. SGPA, CGPA may be computed up to two decimal places. The formulas for calculation of SGPA , CGPA are given below:

$$SGPA = (\Sigma C_i G_i)/ \Sigma C_i,$$

where C_i, G_i are credits and grade points of ith course respectively.

$$CGPA = (\Sigma C_i S_i)/ \Sigma C_i,$$

where C_i, S_i are total credits and Semester grade points of ith Semester respectively.

18. **Amendments of Regulation:**

The University may, from time to time, revise, amend, or change the Regulations Scheme of Examinations and Syllabi, whenever necessary.

PROPOSED ACADEMIC SCHEDULE FOR ONE ACADEMIC YEAR

SEMESTER I

		8 weeks
Instruction Period	First Spell	
Internal Examination	I Mid Examination	1 week
Instruction Period	Second Spell	8 weeks
Internal Examination	II Mid Examination	1 week
End Semester	University Practical's	1 week
End Semester	University Examinations	2 week
Semester Break		1 week

SEMESTER II

Instruction Period	First Spell	8 weeks
Internal Examination	I Mid Examination	1 week
Instruction Period	Second Spell	8 weeks
Internal Examination	II Mid Examination	1 week
End Semester	University Practical's	1 week
End Semester	University Examinations	2 weeks
Summer Vacation		6 weeks

B.Sc. (M.P.C.) GROUP EXAMPLE

SEMESTER I

Semester	Part	Subject	Hrs	Credits	IA	ES	Total
SEMESTER I	PART I	TELUGU 1	4	4	25	75	100
		ENGLISH 1	4	4	25	75	100
	PART II	MATHS 1	4	4	25	75	100
		MATHS LAB 1	3	2	25	75	100
		PHYSICS 1	4	4	25	75	100
		PHYSICS LAB1	3	2	25	75	100
		CHEMISTRY 1	4	4	25	75	100
		CHEMISTRY LAB 1	3	2	25	75	100
	PART III	FC 1	3	2	25	75	100
		SK 1	3	2	25	75	100
		TOTALS	35	30	250	750	1000

SEMESTER II

Semester	Part	Subject	Hrs	Credits	IA	ES	Total
SEMESTER II	PART I	TELUGU 2	4	4	25	75	100
		ENGLISH 2	4	4	25	75	100
	PART II	MATHS 2	4	4	25	75	100
		MATHS LAB 2	3	2	25	75	100
		PHYSICS 2	4	4	25	75	100
		PHYSICS LAB2	3	2	25	75	100
		CHEMISTRY 2	4	4	25	75	100
		CHEMISTRY LAB 2	3	2	25	75	100
	PART III	SK 2	3	2	25	75	100
		SK 3	3	2	25	75	100
		TOTALS	35	30	250	750	1000

SEMESTER III

Semester	Part	Subject	Hrs.	Credits	IA	ES	Total
SEMESTER III	PART I	TELUGU 3	4	4	25	75	100
		ENGLISH 3	4	4	25	75	100
	PART II	MATHS 3	4	4	25	75	100
		MATHS LAB 3	3	2	25	75	100
		PHYSICS 3	4	4	25	75	100
		PHYSICS LAB3	3	2	25	75	100
		CHEMISTRY 3	4	4	25	75	100
		CHEMISTRY LAB 3	3	2	25	75	100
	PART III	FC 2	3	2	25	75	100
		SK 4	3	2	25	75	100
		TOTALS	35	30	250	750	1000

SEMESTER IV

Semester	Part	Subject	Hrs.	Credits	IA	ES	Total
SEMESTER IV	PART I	TELUGU 4	4	4	25	75	100
		ENGLISH 4	4	4	25	75	100
	PART II	MATHS 4	4	4	25	75	100
		MATHS LAB 4	3	2	25	75	100
		PHYSICS 4	4	4	25	75	100
		PHYSICS LAB 4	3	2	25	75	100
		CHEMISTRY 4	4	4	25	75	100
		CHEMISTRY LAB 4	3	2	25	75	100
	PART III	SK 5	3	2	25	75	100
		SK 6	3	2	25	75	100
		TOTALS	35	30	250	750	1000

SEMESTER V

Semester	Part	Subject	Hrs.	Credits	IA	ES	Total
SEMESTER V	PART II	MATHS 5	4	4	25	75	100
		ELE- MATHS 6	4	4	25	75	100
		MATHS LAB 5	3	2	25	75	100
		PHYSICS 5	4	4	25	75	100
		ELE-PHYSICS 6	4	4	25	75	100
		PHYSICS LAB 5	3	2	25	75	100
		CHEMISTRY 5	4	4	25	75	100
		ELE- CHEMISTRY 6	4	4	25	75	100
		CHEMISTRY LAB 5	3	2	25	75	100
	PART III	FC 3	3	2	25	75	100
		TOTALS	36	32	250	750	1000

SEMESTER VI

Semester	Part	Subject	Hrs.	Credits	IA	ES	Total

SEMESTER		Course	Credits	Credits	IA	ES	Total
SEMESTER VI	PART II	MATHS 7	4	4	25	75	100
		ELE- MATHS 8	4	4	25	75	100
		MATHS LAB 6	3	2	25	75	100
		PHYSICS 7	4	4	25	75	100
		ELE-PHYSICS 8	4	4	25	75	100
		PHYSICS LAB 6	3	2	25	75	100
		CHEMISTRY 7	4	4	25	75	100
		ELE- CHEMISTRY 8	4	4	25	75	100
		CHEMISTRY LAB 6	3	2	25	75	100
	PART III	SK 7	3	2	25	75	100
	TOTALS		36	32	250	750	1000

Computation of CGPA :

Semester		Course	Grade Points	Credits	IA	ES	Total
I	PART I	Language 1	7.8	4	22	56	78
		Language 2	8.3	4	19	64	83
	PART II	Paper 1	9.0	4	20	70	90
		Lab 1	8.3	2	18	65	83
		Paper 2	7.3	4	18	55	73
		Lab 1	7.3	2	15	58	73
		Paper 3	6.0	4	15	45	60
		Lab 1	7.4	2	16	58	74
	PART III	FC	7.1	2	16	55	71
		SK	7.2	2	17	55	72
Total				30			757

SGPA OF SEMESTER   757/1000 = 75.7

SGPA = (4*7.8+ 4*8.3 + 4*9 +2*8.3 + 4*7.3 + 2*7.3 + 4*6 +2*7.4+ 2*7.1 + 2*7.2)/ 30

   = (31.2 + 33.2 + 36 + 16.6 + 29.2 + 14.6 + 24 + 14.8 + 14.2 + 14.4)/30

=228.2/30 = 7.61

SGPA OF PART II   453/600 = 75.5

SGAP = 4*9 +2*8.3 + 4*7.3 + 2*7.3 + 4*6 + 2*7.4/18

   =36 + 16.6 + 29.2 + 14.6 + 24 + 14.8 /18

   = 135.2/18 =7.5

CGPA of Part II

Semester	Grade Points	Total Credits
S1	7.4	18
S2	6.2	18
S3	8.1	18
S4	7.9	18
S5	8.2	30
S6	7.8	30

CGPA = (7.4 * 18 + 6.2 * 18 + 8.1 * 18 + 7.9 * 18 + 8.2 * 30 + 7.8 * 30)/132

= 1012.8 /132

= 7.67

Part	Courses			Credits	Total Marks
	Theory	Elective	Practicals		
PART I	8	-	-	32	800
PART II	22	2	18	132	4200
PART III	10	-	-	20	1000
TOTALS	40	2	18	184	6000

3 Hours

Model Paper

Max Marks 75

Part A

3 x 5 = 15 Marks

It is proposed, after due deliberations and discussions with language experts and Chair Persons, BOS of different Universities, to introduce **seven courses** on various aspects of Communication and Soft Skills (CSS) at Under Graduate Level as common core courses.

Semester I:	**CSS 101**	**Fundamentals of Communication Skills**
Semester-II :	**CSS 201**	**Building Vocabulary**
Semester-II :	**CSS 202**	**Professional Life Skills - I**
Semester-III:	**CSS 301**	**Communication Practice-I**
Semester- IV :	**CSS 401**	**Communication Practice-II**
Semester- IV :	**CSS 402**	**Professional Life Skills - II**
Semester-VI:	**CSS 601**	**Communication Practice-III (Writing Skills)**

The matter was discussed in the meeting of Deans, CDC of different universities, held on 27-04-2015 in S.V.U. Campus, Tirupati and a general consensus on the above courses has been reached, which is now being communicated for further action.

This content can be brought in two volumes.

Volume-I   : Communication and soft Skills – I
Volume-II   : Communication and soft Skills – II
Publishers   : Orient Blakswan Pvt Ltd

Q.1.

Q.2.

Q.3.

Q.4.

Q.5.

Q.6.

Q.7.

Q.8.

PART B   5 x 12 = 60 Marks

Answer ONE question from each UNIT

UNIT I

Q.9.

Q. 10.

UNIT II

Q. 11.

Q. 12.

UNIT III

Q. 13.

Q. 14.

UNIT IV

Q.15.

Q.16.

UNIT V

Q.17.

Q.18.

COMMUNICATION AND SOFT SKILLS (CSS)

AT UNDERGRADUATE LEVEL AS COMMON CORE COURSES

SYLLABUS FOR COMMUNICATION AND SOFT-SKILLS

Semester-I: CSS 101: Fundamentals of Communication Skills:

   Unit- I : Communication Skills - Definition, Process, Types, Barriers

   Unit- II : Oral Communication - English Sounds, Letters & Words

   Unit-III : Listening Skills - Types of Listening, Barriers to Effective Listening & Traits of a
   Good Listener

   Unit- IV : Stress & Intonation - Word Stress, Sentence Stress, Intonation Patterns

   Unit –V : Word Building - English & Latin Affixes and Suffixes, One word Substitutes

Semester-II : CSS 201: Building Vocabulary

   Unit-I : Vocabulary (with Exercises) - Foreign & English words and Phrases, Idioms, Words
   often confused

   Unit-II : Improving Vocabulary (with Exercises) - Homonyms, Homophones, Homographs,
   Synonyms, Antonyms,

   Unit-III : Correction of Common Errors (with Exercises)

   Unit-IV : Fun with Grammar (with Exercises) - Noun, Pronoun, Adjectives, Adverbs,
   Prepositions & Conjunctions

   Unit-V : Transformation of Sentences (with Exercises) - Types of Sentences- Structure and
   Meaning

Semester-II: CSS 202: Professional Life Skills - I

   Unit-I : Team Work Skills (Activity Oriented)

   Unit- II: Emotional Intelligence Skills

   Unit-III: Assertive Skills

   Unit-IV: Adaptability Skills

   Unit-V: Problem Solving Skills

Semester-III: CSS 301: Communication Practice-I

Unit-I : Listening & Learning Skills

Unit-II : Oral Communication Practice-I - Greeting People, Taking Leave, Introducing, Requesting, Asking for Permission, Giving Directions and Thanking

Unit-III : Oral Communication Practice-II - for Clarifications, Inviting, Making Complaints, Congratulating and Expressing Sympathy, Apologizing, Advising, Suggesting, Expressing Opinions and Telephone Skills

Unit- IV : Reading Skills - Purposes of Reading, Reading Strategies

Unit- V : Developing Reading Skills (with Exercises) - Study Techniques, Techniques of Reading, Reading Comprehension

Semester- IV : CSS 401: Communication Practice-II

Unit-I : Information Transfer (with Exercises) - Tables, Bar Charts, Line Graphs, Pie Charts, Flow Charts, Tree Diagram, Pictogram, Maps, Plans (with Exercises)

Unit-II: Technology in Communication - Computer Application- MS Word, File Management

Unit- III: Inter Personal Communication-I Interview Skills, Group Discussion, (with Exercises)

Unit- IV: Inter Personal Communication-II Presentation Skills, Seminar Skills, Speech Making, Debates (with Exercises)

Unit-V: Business Communication - Notices, Agenda and Minutes of the Meeting

Semester- IV : CSS 402: Professional Life Skills - II

Unit-I : Self Development, Knowing Self, Maintaining a Healthy Body, Driving Oneself, Self & Society, Managing Relationships

UNIT-II : Writing For Print Media: Functions of The Press- Reporting- Newspaper Writing- Editing- Interviewing

UNIT-III : Writing For Electronic Media-I: TV & Radio-Types of Radio and TV Programs - Impact of Radio and TV-Film and Internet

UNIT-IV : Writing For Electronic Media-II: Cinema - Advertisements-Advertising Concepts- Types- Formats - Structure – Design of an Advertisement

UNIT-V : BPO English: Types of BPO Businesses- English Usage- Commonly Confused Words- Errors in using The Parts of Speech- Errors in Using Punctuation- Redundancies- Style

Semester-VI: CSS 601: Communication Practice-III (Writing Skills)

Unit-I Paragraph & Essay writing, Letter writing

Unit-II Report Writing, Note Making & Note Taking (with Exercises)

Unit-III Precise Writing, Summarizing (with Exercises)

Unit- IV Technical Writing(formal & informal)

Unit-V Editing- Spelling & Punctuation, Use of Dictionary & Thesaurus

HUMAN VALUES AND PROFESSIONAL ETHICS- PAPER- I

Semester-I

Unit –I Introduction to Value Education

1. Value Education, Definition, Concept and Need for Value Education
2. The Content and Process of Value Education
3. Basic Guidelines for Value Education
4. Self exploration as a means of Value Education
5. Happiness and Prosperity as parts of Value Education

Unit-II Harmony in the Human Being

1. Human Being is more than just the Body
2. Harmony of the Self ('I') with the Body
3. Understanding Myself as Co-existence of the Self and the Body
4. Understanding Needs of the Self and the needs of the Body
5. Understanding the activities in the Self and the activities in the Body

Unit-III   Harmony in the Family and Society and Harmony in the Nature

1. Family as a basic unit of Human Interaction and Values in Relationships.
2. The Basics for Respect and today's Crisis: Affection, Care, Guidance, Reverence, Glory, Gratitude and Love.
3. Comprehensive Human Goal : The Five Dimensions of Human Endeavour
4. Harmony in Nature : The Four Orders in Nature
5. The Holistic Perception of Harmony in Existence

Unit-IV   Social Ethics

1. The Basics for Ethical Human Conduct
2. Defects in Ethical Human Conduct
3. Holistic Alternative and Universal Order
4. Universal Human Order and Ethical Conduct
5. Human Rights violation and Social Disparities

Unit-V   Professional Ethics

1. Value based Life and Profession
2. Professional Ethics and Right Understanding
3. Competence in Professional Ethics
4. Issues in Professional Ethics – The Current Scenario
5. Vision for Holistic Technologies, Production System and Management Models.

Reference Books:

1. A.N Tripathy, Human Values, New Age International Publishers, 2003.

2. Bajpai. B. L , Indian Ethos and Modern Management, New Royal Book Co, Lucknow, Reprinted,   2004

3. Bertrand Russell Human Society in Ethics and Politics

4. Corliss Lamont, Philosophy of Humanism

4. Gaur. R.R. , Sangal. R, Bagaria. G.P,   A Foundation Course in Value Education, Excel Books,   2009.

5. Gaur. R.R. , Sangal. R , Bagaria. G.P, Teacher's Manual, Excel Books, 2009.

6. I.C. Sharma Ethical Philosophy of India. Nagin & co Julundhar

7. Mortimer. J. Adler, What Man has Made of Man

8. R. Subramanian, Professional Ethics, Oxford University Press.

9. Text book for Intermediate Ethics and Human Values, Board of Intermediate Education & Telugu Academic Hyderabad.

8. William Lilly: Introduction to Ethic Allied Publisher