



# S.N.D.T. Arts and Commerce College for Women

Estd. : 5 July 1916

Constituent College of S.N.D.T. Women's University Mumbai

Maharshi Karve Vidya Vihar, Karve Road, Pune - 411 038.

Phone : 020-25431153 • E-mail : sndtartspune@gmail.com • Website : www.sndtarts.ac.in

Ref NO:- IQAC/UGP/2018-19/495

11/02/2019

To,

The Principal/Director/HoD/Co-ordinator

Subject : - Workshop on CBCS to be implemented for all UG programmes

Dear Sir/Madam,

On 02/03/2019 the College is organizing a Workshop in association with IQAC SNDT Women's University, Mumbai-20 on "Implementing CBCS as per UGC guidelines for Under Graduate Programs". In this workshop the consensus will be sought after on the structure, teaching load and on declaration of result. The course title and evaluation pattern will be decided by the respective Board of Studies.

Dr. V. N. Magare, Pro-Vice Chancellor, will inaugurate the workshop and will act as Mentor. Dr. Nalini Patil, Principal, SNDT College of Education, Pune and Member Management Council, SNDT Women's University is the Chief Guest for Inauguration Function. Dr. Archana Bhatnagar OSD, Additional Charge will be the Chief Guest for Valedictory Function. During the day long deliberations the following authorities of SNDT Women's University are invited for guidance.

- 1) Dean and Associate Dean of Faculty of Science and Technology, Dean and Associate Dean of Faculty of Commerce and Management, Dean and Associate Dean of Faculty of Humanities and Dean and Associate Dean of Faculty of Interdisciplinary Studies.
- 2) Chairman and the Members of the Board of Studies of various faculties
- 3) Dr. Subhash Waghmare, Director BOEE

We have worked out a draft CBCS structure for Commerce & Arts faculties for consideration and discussion purposes as per UGC guidelines. **You may, if required, contact faculty members (the names and contact details are available in the workshop brochure attached here with) for clarifications and suggestions.** I request the Principals to kindly participate in the workshop *along with the faculty members teaching various Under Graduate Courses*. I request you to kindly complete the registration formalities on or before 25/02/2019. I am sure that the deliberations in the workshop will definitely achieve its objectives and will smoothen its implementation.

You are further requested to kindly visit the following link [https://www.ugc.ac.in/ugc\\_notices.aspx?id=1077](https://www.ugc.ac.in/ugc_notices.aspx?id=1077) for the Syllabi of Under Graduate courses under Choice Based Credit System (CBCS) / Instructional Template for Facilitating Implementation of Choice Based Credit System (CBCS)

Thanking you,

Yours faithfully,

(Dr. Anand G. Jumle)

Principal &

Dean

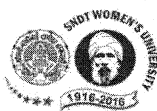
Faculty of Commerce & Management

Encl: - as above

Note: Kindly bring the enclosures for workshop "Saving Trees is our Duty"

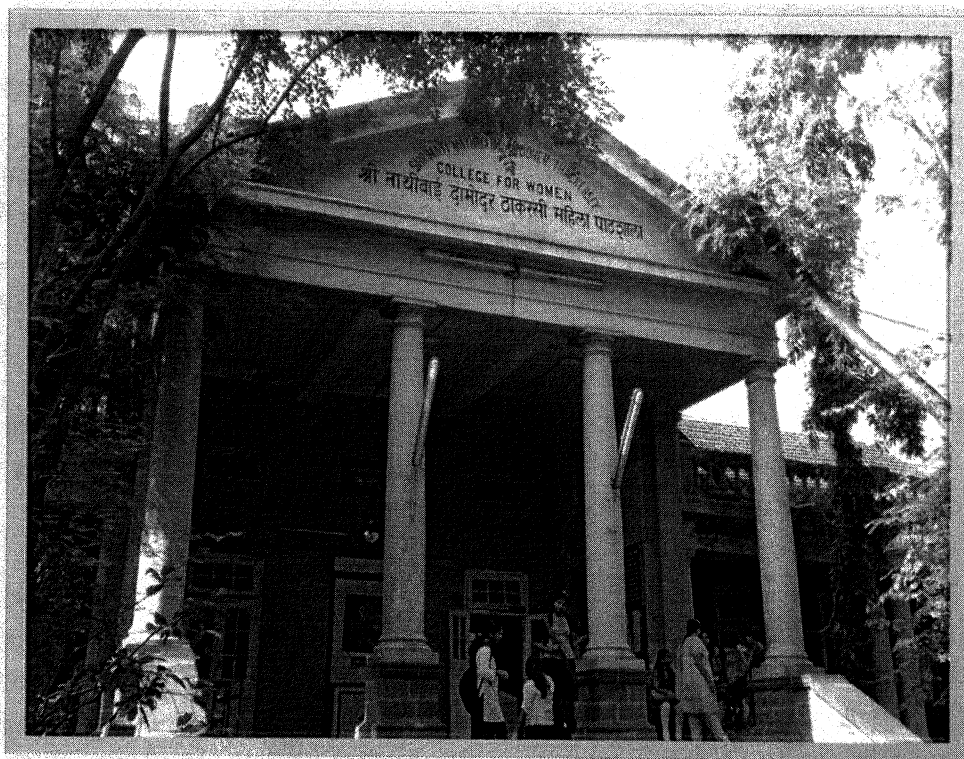
Campuses : Karve Road, Pune / Churchgate, Mumbai / Juhu, Mumbai





**Workshop on  
Implementation of Choice Based Credit System for  
Undergraduate Programmes**

**02/03/ 2019**



**Organized by:**

SNDT Arts and Commerce College for Women,  
Maharshi Karve Vidya Vihar, Karve Road, Pune- 411038

In association with

**IQAC, SNDT Women's University, Mumbai-20**

**Contact Details:**

Mobile Nos: 07588320308, 09422525299, 09689928560

Phone Nos: 020-25431153, 020-5445751

Email: collegepune@sndt.ac.in

Web site: www.sndtartspune.ac.in

**About the College and the SNDT Women's University:**

The SNDT Arts and Commerce College for Women, Pune is a constituent College of the SNDT Women's University, Mumbai. The vision of the great social reformer, Bharatratna Maharshi Dhondo Keshav Karve, was translated into reality by the foundation of a women's University named as Indian Women's University, with its first college at Pune in 1916. With a generous support from Sir Vitthaldas Thackersey, an industrialist with social orientation, Indian Women's University was named as Shreemati Nathibai Damodar Thackersey (SNDT) Women's University in the year 1920. The head office of the University was shifted to Mumbai in 1936.

In 1951, the University acquired statutory recognition from the Government of Maharashtra along with the rare privilege of jurisdiction across the country. Today, the University has four campuses at Pune, Churchgate (Mumbai), Juhu (Mumbai), and Shriwardhan (Konkan). It has thirteen constituent colleges and one hundred and seventy four affiliated colleges in the states of Maharashtra, Gujarat, Goa, Madhya Pradesh, and Uttar Pradesh.

The University founded with one programme offered to five students has grown to two hundred programmes offered through twelve faculties to more than seventy thousand students.

The mission statement of the University and the College is "Sanskrita Stree Parashakti" which means "An Enlightened Woman is a Source of Infinite Strength". 'Empowerment of Women through Higher Education' is the main objective of the College.

**About the Workshop:**

The workshop will focus on the implementation of the Choice Based Credit System to be implemented at Under Graduate Programmes in the Faculty of Science and Technology, Faculty of Commerce and Management, Faculty of Humanities and Faculty of Interdisciplinary Studies in SNDT Women's University, Mumbai. The workshop will provide a forum to experts and academicians to discuss and also propose strategies of implementing CBCS from the academic year 2019-20.

The Deans, Associate Deans of all the faculties, Members of all the Board of Studies, Principles/Directors, Head of Department, and teaching staff members teaching the undergraduate programmes are expected to participate in this workshop.

**Objectives of the workshop:**

1. To understand the basic structure of CBCS suggested by the UGC.
2. To deliberate on the issues relating to implementation of the CBCS in the SNDT Women's University for Undergraduate Courses.
3. To discuss the issues related to evaluation and assessment under CBCS to be implemented
4. To discuss the initiation of wall-less education at Under Graduate level in SNDT Women's University.



**Registration Fees:** The fee is Rs/- 350 per participants, to be paid on or before 25/02/2019 by NEFT / RTGS

Name of Account Holder : The Principal SNDT Arts & Commerce College Pune  
Bank Name : Bank of India  
Account Number : 050320100200006  
IFSC Code : BKID0000503  
MICR : 411013011  
Address : Karve Road, Pune – 38

Note – For NEFT/RTGS please write in remark “CBCS Workshop”

**Kindly mail the registration form and receipt of digital payment to collegepune@sndt.ac.in**

**Accommodation:** The accommodation is available for women participants in the hostel on first come first basis and the amount to be paid directly in the hostel office. You can send the details on the email id of the following faculty members.

**Contact Details:**

Smt. Meherarti V. Bade  
9011022632

Email - meheraarti@gmail.com

Shri. Ashok Kashinath Kokate  
8668395568

Email - ashokkokate123@gmail.com

**Chief Patron:**

Prof. Sashikala Wanjari  
Vice Chancellor, SNDT Women's University, Mumbai-20

**Convener:**

Dr. Anand G. Jumle, Principal

**Secretary:**

Dr. Madhavi Kulkarni, Vice Principal

**Organizers:**

Dr. Madhura Joshi, IQAC Co-ordinator, Head, Department of Economics  
Mrs. Vasanti Joshi, Member – IQAC, Dr. Priya Jamkar, Member – IQAC,  
Dr. Rajettri Kulkarni, Member – IQAC & Mr. Ravi Hande, Member – IQAC

## Workshop Schedule

Day: **Saturday & Date 02/03/2019**

Venue: - SNTD Women's University, Pune Campus, Pune - 411038

| <b>Time &amp; Venue</b>                          | <b>Particulars</b>   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
|--|--|----------------|--------------|-----------------------------------|---------------|------------------------------------|--------------------|-----------------------|--------------------|--------------------------------------|--------------------|
| 09.00 am to 10.00 am                             | Tea & Breakfast  |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| 10.00 am to 10.30 am<br><br><b>Tarapore Hall</b> | Inauguration<br><br><b>Chief Guest</b><br><b>Dr. Nalini Patil</b><br>Principal, SNTD College of Education , Pune- 38 &<br>Management Council Member,<br>SNTD Women's University, Mumbai-20<br><b>Chairperson</b><br><b>Dr. Vishnu Magare</b><br>Pro- Vice Chancellor,<br>SNTD Women's University, Mumbai – 20  |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| 10.30 am to 11.00 am<br><br><b>Tarapore Hall</b> | Session – I : Overview of Choice Based Credit System (CBCS)<br><b>Dr. Madhavi Kulkarni,</b><br>Vice Principal & Associate Professor,<br>SNTD Arts & Commerce College for Women, Pune – 38<br>&<br><b>Dr. Y. S. Vaishampayan</b><br>Director, JDBIMSR, Pune-38  |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| 11.00 am to 12.30 pm                             | Session – II: <b>Group Exercise – Chairman, Members &amp; Faculty Participants</b><br><br><b>Parallel Track</b><br><table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Faculty</b></td><td style="width: 40%;"><b>Venue</b></td></tr> <tr> <td>Faculty of Science and Technology</td><td>Tarapore Hall</td></tr> <tr> <td>Faculty of Commerce and Management</td><td>New Home Sci. Bldg</td></tr> <tr> <td>Faculty of Humanities</td><td>New Home Sci. Bldg</td></tr> <tr> <td>Faculty of Interdisciplinary Studies</td><td>New Home Sci. Bldg</td></tr> </table>  | <b>Faculty</b> | <b>Venue</b> | Faculty of Science and Technology | Tarapore Hall | Faculty of Commerce and Management | New Home Sci. Bldg | Faculty of Humanities | New Home Sci. Bldg | Faculty of Interdisciplinary Studies | New Home Sci. Bldg |
| <b>Faculty</b>                                   | <b>Venue</b>   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Science and Technology                | Tarapore Hall  |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Commerce and Management               | New Home Sci. Bldg   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Humanities                            | New Home Sci. Bldg   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Interdisciplinary Studies             | New Home Sci. Bldg   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| 12.30 pm to 1.30 pm                              | Session – III : Consensus on proposed CBCS Structure for UG Course<br><br><b>Parallel Track</b><br><b>Chairman: Chairman of Board of Studies of Respective Board</b><br><table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Faculty</b></td><td style="width: 40%;"><b>Venue</b></td></tr> <tr> <td>Faculty of Science and Technology</td><td>Tarapore Hall</td></tr> <tr> <td>Faculty of Commerce and Management</td><td>New Home Sci. Bldg</td></tr> <tr> <td>Faculty of Humanities</td><td>New Home Sci. Bldg</td></tr> <tr> <td>Faculty of Interdisciplinary Studies</td><td>New Home Sci. Bldg</td></tr> </table> | <b>Faculty</b> | <b>Venue</b> | Faculty of Science and Technology | Tarapore Hall | Faculty of Commerce and Management | New Home Sci. Bldg | Faculty of Humanities | New Home Sci. Bldg | Faculty of Interdisciplinary Studies | New Home Sci. Bldg |
| <b>Faculty</b>                                   | <b>Venue</b>   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Science and Technology                | Tarapore Hall  |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Commerce and Management               | New Home Sci. Bldg   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Humanities                            | New Home Sci. Bldg   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| Faculty of Interdisciplinary Studies             | New Home Sci. Bldg   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |
| 1.30 pm to 2.30 pm                               | <b>Lunch</b>   |                |              |                                   |               |                                    |                    |                       |                    |                                      |                    |

|   |   |
|---|---|
| 2.30 pm to 4.00 pm<br><br>Tarapore Hall | <p>Session – IV : Consensus on proposed CBCS Structure for interdisciplinary offerings</p> <p><b>Chairman</b><br/> <b>Dr. Vishnu Magare</b><br/> Pro- Vice Chancellor,<br/> SNDT Women's University, Mumbai – 20</p> <p><b>Expert Members :</b><br/> <b>Dr. Archana Bhatnagar</b><br/> OSD &amp; Dean, Faculty of Interdisciplinary Studies<br/> <b>Dr. Subhash Waghmare</b><br/> Director, BOEE<br/> SNDT Women's University, Mumbai – 46<br/> <b>Dr. Ganesh Magar</b><br/> Dean, Faculty of Science and Technology<br/> <b>Dr. Smriti Bhosale</b><br/> Dean, Faculty of Humanities<br/> <b>Dr. Anand G. Jumle</b><br/> Dean, Faculty of Commerce and Management</p> |
| 4.00 pm to 4.30 pm<br><br>Tarapore Hall | <p>Valedictory Function</p> <p><b>Guest of Honour</b><br/> <b>Dr. Vishnu Magare</b><br/> Pro Vice Chancellor,<br/> SNDT Women's University, Mumbai – 20</p> <p><b>Chief Guest</b><br/> <b>Dr. Archana Bhatnagar</b><br/> OSD (Additional Charge)<br/> SNDT Women's University, Mumbai-20</p>  |

Team Members of SNDT Arts & Commerce College for Women

**Department – Commerce**

**(B. Com & BAF)**

Dr. Anand G. Jumle

Dr. Madhavi S. Kulkarni

9422525299

Smt. Vasanti J. Joshi

9766636011

Dr. Smita V. Deshpande

9823114618

Shri. Ashok Kashinath Kokate

8668395568

**Department – Marathi**

Dr. Priya M. Jamkar

9423223475

Smt. Bhakti V. Prabhudesai

9767887339

**Department – Hindi**

Dr. Shivdatta Bajirao Wavalkar

8600266823

**Department – English**

Dr. Mrinalini M. Ghatage

9422002697

Smt. Meherarti V. Bade

9011022632

**Department – Music**

Smt. Minakshi D. Baswant

9527538612

**Department - Visual Arts**

Dr. Rajettri S. Kulkarni

9890291244

**Department – Economics**

Dr. Madhura D. Joshi

9689928560

Dr. Anjali R. Kadam

9403186439

Dr. Rohini J. Bhoite

9850081112

**Department - Geography**

Shri. Ravindra Dhondhibhau Hande

9860507819

Shri. Pravin Gaikwad

9850473439

Smt. Jyoti M. Kulkarni

98503409058

**Department – Psychology**

Dr. Manasi H. Rajhans

9527717693

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020-25284406

**Department – Computer**

Dr. Madhuri Pant

9922419724

**Administrative & Support Staff Permanent & Temporary**

Smt. Bharati Damodar Sardesai

Shri. Ravindra Vitthal Kshirsagar

Shri. Mukund Digambar Gosavi

Shri. Sachin Dattatray Sonavane

Shri. Mahesh Ramchandra Bachhav

Shri. Nitin Mangtu Jadhav

Shri. Sandeep Ramdas Mate

Ms. Harshada Raje

Ms. Kirti Damse

Ms. Pranali V. Upalekar

Ms. Baby Aawari

Shri. Anna Tukaram Lashkar

Shri. Vijay Shankar Angre

Shri. Shekhar Pralahad Londhe

Mr. Rohit Chopade

Shri. Uttam Jagtap

Shri. Rohit Londhe

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Mumbai – 20

**REGISTRATION FORM**

1) Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Phone / Mobile No : \_\_\_\_\_

E-mail: \_\_\_\_\_

2) Name: \_\_\_\_\_

Phone / Mobile No : \_\_\_\_\_

E-mail: \_\_\_\_\_

3) Name: \_\_\_\_\_

Phone / Mobile No : \_\_\_\_\_

E-mail: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Accommodation: Yes / No: \_\_\_\_\_

Mode of Payment: RTGS / NEFT

RTGS Transaction ID: \_\_\_\_\_

Date: \_\_\_\_\_

Signature

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Signature



**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     | <b>Arts and Humanities</b>     | 1. Hindi<br>2. Sanskrit<br>3. Modern Indian Language-<br>Punjabi<br>4. English<br>5. Sociology<br>6. Public Administration<br>7. Defense and Strategic studies<br>8. History<br>9. Geography<br>10. Economics<br>11. History and Tourism<br>12. Philosophy<br>13. Political Science<br>14. Music<br>15. Journalism<br>16. Psychology<br>17. Mathematics<br>18. Home Science<br>19. Education |
| 2     | <b>Commerce and Management</b> | 20. Business Economics<br>21. Commerce<br>22. Banking and Insurance<br>23. Accounting and Finance<br>24. Financial Markets<br>25. Company and Compensation law<br>26. Business Administration<br>27. Labor Management<br>28. Tourism and Travel management   |
| 3     | <b>Science</b>                 | 29. B.Sc. Medical/Life Sciences<br>30. Chemistry<br>31. Physics<br>32. Botany<br>33. Zoology<br>34. Biotechnology  |

|          |               |  |
|----------|---------------|--|
|          |               | 35. Microbiology<br>36. Biochemistry<br>37. Computer Science<br>38. Environmental Science<br>39. Food Technology<br>40. Electronic Science<br>41. Information Technology<br>42. Forensic Science<br>43. Biomedical Science<br>44. Physical Science<br>45. Operational Research<br>46. Statistics<br>47. Anthropology |
| <b>5</b> | <b>Others</b> | 48. LLB<br>49. BCA<br>50. B. Lib<br>51. B.Ed<br>52. B.El.Ed<br>53. Multimedia and Communication<br>54. Fine Arts<br>55. Performing Arts<br>56. Physical Education and Health<br>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 1<sup>st</sup> 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 |
| <b><u>I. Core Course</u></b>  |                   |                   |
| (14 Papers)   | 14X4= 56          | 14X5=70           |
| <b>Core Course Practical / Tutorial*</b>  |                   |                   |
| (14 Papers)   | 14X2=28           | 14X1=14           |
| <b><u>II. Elective Course</u></b>   |                   |                   |
| (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)  |                   |                   |
| <ul style="list-style-type: none"> <li>• Optional Dissertation or project work in place of one Discipline Specific Elective paper (6 credits) in 6<sup>th</sup> Semester</li> </ul> |                   |                   |
| <b><u>III. Ability Enhancement Courses</u></b>  |                   |                   |
| <b>1. Ability Enhancement Compulsory Courses (AECC)</b>   |                   |                   |
| (2 Papers of 2 credit each)   | 2 X 2=4           | 2 X 2=4           |
| Environmental Science   |                   |                   |
| English/MIL Communication   |                   |                   |
| <b>2. Skill Enhancement Courses (SEC)</b>   |                   |                   |
| (Minimum 2)   | 2 X 2=4           | 2 X 2=4           |
| (2 Papers of 2 credit each)   |                   |                   |

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              | (English Communication/MI L)/ Environmental Science |                                    |                                       | GE-1                       |
|     | C 2              |   |                                    |                                       |                            |
| II  | C 3              | Environmental Science/(English/MI L 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                                |                            |

## B

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

| Course   | *Credits          |                   |
|--|-------------------|-------------------|
|  | Theory+ Practical | Theory + Tutorial |
| <b><u>I. Core Course</u></b><br>(14 Papers)  | 14X4= 56          | 14X5=70           |
| <b>Core Course Practical / Tutorial*</b><br>(14 Papers)  | 14X2=28           | 14X1=14           |
| <b><u>II. Elective Course</u></b><br>(8 Papers)  |                   |                   |
| A.1. Discipline Specific Elective<br>(4 Papers)  | 4X4=16            | 4X5=20            |
| A.2. Discipline Specific Elective<br>Practical / Tutorials*<br>(4 Papers)  | 4 X 2=8           | 4X1=4             |
| B.1. Generic Elective/Interdisciplinary<br>(4 Papers)  | 4X4=16            | 4X5=20            |
| B.2. Generic Elective<br>Practical / Tutorials*<br>(4 Papers)  | 4 X 2=8           | 4X1=4             |
| <ul style="list-style-type: none"> <li>• <b>Optional Dissertation or project work in place of one Discipline Specific elective paper (6 credits) in 6<sup>th</sup> Semester</b></li> </ul> |                   |                   |
| <b><u>III. Ability Enhancement Courses</u></b>   |                   |                   |
| 1. <b>Ability Enhancement Compulsory Courses (AECC)</b> 2 X 2=4<br>(2 Papers of 2 credits each)  |                   | 2 X 2=4           |
| Environmental Science  |                   |                   |
| English Communication/MIL  |                   |                   |
| 2. <b>Skill Enhancement Courses (SEC)</b><br>(Minimum 2, Max. 4)<br>(2 Papers of 2 credits each)   | 2 X 2=4           | 2 X 2=4           |



Total credit= 140

Total credit= 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.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)/<br>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 |
| <b><u>I. Core Course</u></b><br><b>(12 Papers)</b><br>04 Courses from each of the<br>03 disciplines of choice   | 12X4= 48          | 12X5=60          |
| <b>Core Course Practical / Tutorial*</b><br><b>(12 Practical/ Tutorials*)</b><br>04 Courses from each of the<br>03 Disciplines of choice  | 12X2=24           | 12X1=12          |
| <b><u>II. Elective Course</u></b><br><b>(6 Papers)</b><br><br>Two papers from each discipline of choice<br>including paper of interdisciplinary nature.                           | 6x4=24            | 6X5=30           |
| <b>Elective Course Practical / Tutorials*</b><br><b>(6 Practical / Tutorials*)</b><br>Two Papers from each discipline of choice<br>including paper of interdisciplinary nature    | 6 X 2=12          | 6X1=6            |
| <ul style="list-style-type: none"> <li>• <b>Optional Dissertation or project work in place of one Discipline elective paper (6 credits) in 6<sup>th</sup> Semester</b></li> </ul> |                   |                  |
| <b><u>III. Ability Enhancement Courses</u></b>  |                   |                  |
| <b>1. Ability Enhancement Compulsory Courses (AECC)</b> 2 X 2=4<br><b>(2 Papers of 2 credits each)</b><br><b>Environmental Science</b><br><b>English/MIL Communication</b>        |                   | 2X2=4            |
| <b>2. Skill Enhancement Courses (SEC)</b>   | 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)/<br>Environmental Science  |                                    |                                      |
|     | DSC- 2 A         |  |                                    |                                      |
|     | DSC- 3 A         |  |                                    |                                      |
| II  | DSC- 1 B         | Environmental Science /<br>(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 |
| <b>I. Core Course</b>  | 12X4= 48         | 12X5=60          |
| (12 Papers)  |                  |                  |
| Two papers – English   |                  |                  |
| Two papers – MIL   |                  |                  |
| Four papers – Discipline 1.  |                  |                  |
| Four papers – Discipline 2.  |                  |                  |
| <b>Core Course Practical / Tutorial*</b>   | 12X2=24          | 12X1=12          |
| (12 Practicals)  |                  |                  |
| <b>II. Elective Course</b>   | 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.  |                  |                  |
| <b>Elective Course Practical / Tutorials*</b>  | 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.  |                  |                  |
| <ul style="list-style-type: none"> <li>• <b>Optional Dissertation or project work in place of one elective paper (6 credits) in 6<sup>th</sup> Semester</b></li> </ul> |                  |                  |
| <b>III. Ability Enhancement Courses</b>  |                  |                  |
| 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    | (English/MIL Communication) / Environmental Science |                                    |                                      |                         |
|     | DSC- 1 A         |   |                                    |                                      |                         |
|     | DSC- 2 A         |   |                                    |                                      |                         |
| II  | MIL/English-1    | Environmental Science/ (English/MIL Communication)  |                                    |                                      |                         |
|     | DSC- 1 B         |   |                                    |                                      |                         |
|     | DSC- 2 B         |   |                                    |                                      |                         |
| III | English/MIL-2    |   | SEC -1                             |                                      |                         |
|     | DSC- 1 C         |   |                                    |                                      |                         |
|     | DSC- 2 C         |   |                                    |                                      |                         |
| IV  | MIL/English-2    |   | SEC -2                             |                                      |                         |
|     | DSC- 1 D         |   |                                    |                                      |                         |
|     | DSC- 2 D         |   |                                    |                                      |                         |
| V   |                  |   | SEC -3                             | DSE-1 A                              | GE-1                    |
|     |                  |   |                                    | DSE-2 A                              |                         |

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

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

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



| 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          |                        |
| <b>Total</b>       | <b>24</b>  |    |   | <b>192</b>  | <b>8.0 (192/24)</b>    |
| CGPA               |            |    |   |             |                        |
| <b>Grand Total</b> | <b>140</b> |    |   | <b>1080</b> | <b>7.71 (1080/144)</b> |

| 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** =  $(20 \times 6.9 + 20 \times 6.7 + 26 \times 9.15 + 26 \times 7.38 + 24 \times 7.75 + 24 \times 8.0) / 140 = 7.71$

## 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                            |                            |

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

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

| 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** =  $(20 \times 6.0 + 20 \times 6.0 + 20 \times 8.3 + 20 \times 6.3 + 20 \times 7.5 + 20 \times 5.9) / 120 = 6.67$

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

| Course            | Credit | Grade Letter | Grade Point | Credit Point<br>(Credit X Grade) | SGPA<br>(Credit Point/Credit) |
|-------------------|--------|--------------|-------------|----------------------------------|-------------------------------|
| <b>Semester I</b> |        |              |             |                                  |                               |

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

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

| <b>Semester 1</b>     | <b>Semester 2</b>     | <b>Semester 3</b>     | <b>Semester 4</b>     |
|-----------------------|-----------------------|-----------------------|-----------------------|
| Credit: 20; SGPA: 7.3 | Credit: 20; SGPA: 7.5 | Credit: 20; SGPA: 6.8 | Credit: 20; SGPA: 7.8 |

| <b>Semester 5</b>     | <b>Semester 6</b>     |
|-----------------------|-----------------------|
| Credit: 20; SGPA: 8.7 | Credit: 20; SGPA: 7.5 |

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

\*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 30<sup>th</sup> March, 2015. The next meeting for finalization of syllabi for the courses meeting held on 20<sup>th</sup> March, 2015, has been fixed on 31<sup>st</sup> March, 2015.

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



# UGC Guidelines on Adoption of Choice Based Credit System

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## 1. Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education System of country. The important measures taken to enhance academic standards and quality in higher education include innovation and improvements in curriculum, teaching-learning process, examination and evaluation systems, besides governance and other matters.

The UGC has formulated various regulations and guidelines from time to time to improve the higher education system and maintain minimum standards and quality across the Higher Educational Institutions (HEIs) in India. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to lot of diversity in the system of higher education, there are multiple approaches followed by universities towards examination, evaluation and grading system. While the HEIs must have the flexibility and freedom in designing the examination and evaluation methods that best fits the the curriculum, syllabi and teaching-learning methods, there is a need to devise a sensible system for awarding the grades based on the performance of students. Presently the performance of the students is reported using the conventional system of marks secured in the examinations or grades or both. The conversion from marks to letter grades and the letter grades used vary widely across the HEIs in the country. This creates difficulty for the academia and the employers to understand and infer the performance of the students graduating from different universities and colleges based on grades.

The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions in India and abroad. So it is desirable to introduce uniform grading system. This will facilitate student mobility across institutions within and across countries and also enable potential employers to assess the performance of students. To bring in the desired uniformity, in grading system and method for computing the cumulative grade point average (CGPA) based on the performance of students in the examinations, the UGC has formulated these guidelines.

## **2. Applicability of the Grading System**

These guidelines

shall apply to all undergraduate and postgraduate level degree, diploma and certificate programmes under the credit system awarded by the Central, State and Deemed to be universities in India.

## **3. Definitions of Key Words:**

1. **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
2. **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (core, elective or minor or soft skill courses).
3. **Course:** Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weight. The courses should define learning objectives and

**UGC GUIDELINES ON ADOPTION OF CHOICE BASED  
CREDIT SYSTEM**

**UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG NEW  
DELHI — 110 002**

There may be a Core Course in every semester. This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirement of a programme in a said discipline of study.

## **2. Elective Course:-**

Elective course is a course which can be chosen from a pool of papers. It may be:

- Supportive to the discipline of study
- Providing an expanded scope
- Enabling an exposure to some other discipline/domain
- Nurturing student's proficiency/skill.

An elective may be "Generic Elective" focusing on those courses which add generic proficiency to the students. An elective may be "Discipline centric" or may be chosen from an unrelated discipline. It may be called an "Open Elective."

## **3. Foundation Course:-**

The Foundation Courses may be of two kinds: Compulsory Foundation and Elective foundation. "Compulsory Foundation" courses are the courses based upon the content that leads to Knowledge enhancement. They are mandatory for all disciplines. Elective Foundation courses are value-based and are aimed at man-making education.

## **6. Examination and Assessment**

The HEIs are currently following various methods for examination and assessment suitable for the courses and programmes as approved by their respective statutory bodies. In assessing the performance of the students in examinations, the usual approach is to award marks based on the examinations conducted at various stages (sessional, mid-term, end-semester etc.) in a semester. Some of the HEIs convert these marks to letter grades based on absolute or relative grading system and award the grades. There is a marked variation across the colleges and universities in the number of grades, grade points, letter grades used, which creates difficulties in comparing students across the institutions. The UGC recommends the following system to be implemented in awarding the grades and CGPA under the credit based semester system.

### **6.1. Letter Grades and Grade Points:**

- Two methods -relative grading or absolute grading- have been in vogue for awarding grades in a course. The relative grading is based on the distribution (usually normal distribution) of marks obtained by all the students of the course and the grades are awarded based on a cut-off marks or percentile. Under the absolute grading, the marks are converted to grades based on pre-determined class intervals. To implement the following grading system, the colleges and universities can use any one of the above methods.
- The UGC recommends a 10-point grading system with the following letter grades as given below:

**Table 1: Grades and Grade Points**

| Letter Grade | Grade Point |
|--------------|-------------|
|--------------|-------------|

learning outcomes. A course may be designed to comprise lectures/ tutorials/laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/assignments/ presentations/ self-study etc. or a combination of some of these.

4. **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
5. **Credit Point:** It is the product of grade point and number of credits for a course.
6. **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions 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. **Cumulative Grade Point Average (CGPA):** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
8. **Grade Point:** It is a numerical weight allotted to each letter grade on a 10-point scale.
9. **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters O, A+, A, B+, B, C, P and F.
10. **Programme:** An educational programme leading to award of a Degree, diploma or certificate.
11. **Semester Grade Point Average (SGPA):** It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
12. **Semester:** Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to December and even semester from January to June.
13. **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.

#### **4. Semester System and Choice Based Credit System**

The Indian Higher Education Institutions have been moving from the conventional annual system to semester system. Currently many of the institutions have already introduced the choice based credit system. The semester system accelerates the teaching-learning process and enables vertical and horizontal mobility in learning. The credit based semester system provides flexibility in designing curriculum and assigning credits based on the course content and hours of teaching. The choice based credit system provides a 'cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning. It is desirable that the HEIs move to CBCS and implement the grading system.

#### **5. Types of Courses:**

Courses in a programme may be of three kinds: Core, Elective and Foundation.

##### **1. Core Course:-**

## **7. Computation of SGPA and CGPA**

The UGC recommends the following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- i. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\text{SGPA (Si)} = \sum(C_i \times G_i) / \sum C_i$$

where  $C_i$  is the number of credits of the  $i$ th course and  $G_i$  is the grade point scored by the student in the  $i$ th course.

- ii. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \sum(C_i \times S_i) / \sum C_i$$

where  $S_i$  is the SGPA of the  $i$ th semester and  $C_i$  is the total number of credits in that semester.

- iii. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

## **8. Illustration of Computation of SGPA and CGPA and Format for Transcripts**

- i. Computation of SGPA and CGPA

### ***Illustration for SGPA***

| Course   | Credit | Grade letter | Grade point | Credit Point<br>(Credit x Grade) |
|----------|--------|--------------|-------------|----------------------------------|
| Course 1 | 3      | A            | 8           | 3 X 8 = 24                       |
| Course 2 | 4      | B+           | 7           | 4 X 7 = 28                       |
| Course 3 | 3      | B            | 6           | 3 X 6 = 18                       |
| Course 4 | 3      | O            | 10          | 3 X 10 = 30                      |
| Course 5 | 3      | C            | 5           | 3 X 5 = 15                       |
| Course 6 | 4      | B            | 6           | 4 X 6 = 24                       |
|          | 20     |              |             | 139                              |

Thus,  $\text{SGPA} = 139/20 = 6.95$

### ***Illustration for CGPA***

| Semester 1              | Semester 2              | Semester 3               | Semester 4              |
|-------------------------|-------------------------|--------------------------|-------------------------|
| Credit : 20<br>SGPA:6.9 | Credit : 22<br>SGPA:7.8 | Credit : 25<br>SGPA: 5.6 | Credit : 26<br>SGPA:6.0 |

|                  |    |
|------------------|----|
| 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  |

- iii. A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.
- iv. 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.
- v. 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.,
- vi. 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.

### **6.2. Fairness in Assessment:**

Assessment is an integral part of system of education as it is instrumental in identifying and certifying the academic standards accomplished by a student and projecting them far and wide as an objective and impartial indicator of a student's performance. Thus, it becomes bounden duty of a University to ensure that it is carried out in fair manner. In this regard, UGC recommends the following system of checks and balances which would enable Universities effectively and fairly carry out the process of assessment and examination.

- i. In case of at least 50% of core courses offered in different programmes across the disciplines, the assessment of the theoretical component towards the end of the semester should be undertaken by external examiners from outside the university conducting examination, who may be appointed by the competent authority. In such courses, the question papers will be set as well as assessed by external examiners.
- ii. In case of the assessment of practical component of such core courses, the team of examiners should be constituted on 50 – 50 % basis. i.e. half of the examiners in the team should be invited from outside the university conducting examination.
- iii. In case of the assessment of project reports / thesis / dissertation etc. the work should be undertaken by internal as well as external examiners.



|                         |                          |  |  |
|-------------------------|--------------------------|--|--|
|                         |                          |  |  |
| <b>Semester 5</b>       | <b>Semester 6</b>        |  |  |
| Credit : 26<br>SGPA:6.3 | Credit : 25<br>SGPA: 8.0 |  |  |

$$\text{Thus, CGPA} = \frac{20 \times 6.9 + 22 \times 7.8 + 25 \times 5.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0}{144} = 6.73$$

- ii. 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.



| B.A. Economics (CBCS)    |   |                 |   |                 |   |                 |  |                 |                                 |             |
|--------------------------|---|-----------------|---|-----------------|---|-----------------|--|-----------------|---------------------------------|-------------|
| SE<br>M<br>ES<br>TE<br>R | CORE<br>COURSE (12)                               | Cr<br>edi<br>ts | ABILITY<br>ENHANCE<br>MENT<br>COMPULS<br>ORY<br>COURSE<br>(AECC) (2)            | Cr<br>edi<br>ts | ABIL<br>ITY<br>ENH<br>ANC<br>EME<br>NT<br>ELE<br>CTIV<br>E<br>COU<br>RSE<br>(AEE<br>C)<br>(2) | Cr<br>edi<br>ts | DISCI<br>PLINE<br>SPECI<br>FIC<br>ELEC<br>TIVE<br>DSE<br>(4) | Cr<br>edi<br>ts | GENERIC<br>ELECTIVE<br>(GE) (4) | Cre<br>dits |
| I                        | English/ MIL-1                                    | 06              | (English/MIL<br>Communication)<br>/<br>Environmental<br>Science<br>(02 Credits) | 02              |   |                 |  |                 |                                 |             |
|                          | DSC-1A:<br>Principles of<br>Microeconomics<br>I   | 06              |   |                 |   |                 |  |                 |                                 |             |
|                          | DSC-2A:<br>2C: Indian<br>Economy I                | 06              |   |                 |   |                 |  |                 |                                 |             |
| II                       | English/ MIL-1                                    | 06              | (English/MIL<br>Communication)<br>/<br>Environmental<br>Science<br>(02 Credits) | 02              |   |                 |  |                 |                                 |             |
|                          | DSC -1B:<br>Principles of<br>Microeconomics<br>II | 06              |   |                 |   |                 |  |                 |                                 |             |
|                          | DSC-2B-<br>2C Indian<br>Economy II                | 06              |   |                 |   |                 |  |                 |                                 |             |
| III                      | English/ MIL-2                                    | 06              |   |                 | SEC-<br>1- PD   | 02              |  |                 |                                 |             |
|                          | DSC -1C:<br>Principles of<br>Macroeconomics I     | 06              |   |                 |   |                 |  |                 |                                 |             |
|                          | DSC-<br>International<br>Economics                | 06              |   |                 |   |                 |  |                 |                                 |             |
| IV                       | English/ MIL-2                                    | 06              |   |                 | SEC-<br>2-<br>Women and<br>law-<br>02   | 02              |  |                 |                                 |             |
|                          | DSC -1D:<br>Principles of<br>Macroeconomics II    | 06              |   |                 |   |                 |  |                 |                                 |             |
|                          | DSC- 2D:<br>Banking and                           | 06              |   |                 |   |                 |  |                 |                                 |             |

|    |         |    |  |    |   |    |   |    |                                      |    |
|----|---------|----|--|----|---|----|---|----|--------------------------------------|----|
|    | Finance |    |  |    |   |    |   |    |                                      |    |
| V  |         |    |  |    | SEC-3-<br>AEEC-PSY-P-02:<br>Managing Stress | 02 | DSE-1A-<br>DSE-Economic Development and Policy in India-I | 06 | GE-1- GE-Eco. International Business | 06 |
|    |         |    |  |    |   |    | DSE-2A<br>Money and Banking                               | 06 |                                      |    |
| VI |         |    |  |    | SEC-4-<br>Managing Finance                  | 02 | DSE-1B-<br>Economic Development and Policy in India-II    | 06 | GE-2 - GE-Eco. Consumer Protection   | 06 |
|    |         |    |  |    |   |    | DSE-2 B-<br>Public Finance/ Dissertation                  | 06 |                                      |    |
|    | Total   | 72 |  | 04 |   | 08 |   | 24 |                                      | 12 |

| B. Com. (CBCS)                   |  |                 |  |                 |   |                 |   |                                 |                                 |         |
|----------------------------------|--|-----------------|--|-----------------|---|-----------------|---|---------------------------------|---------------------------------|---------|
| SE<br>M<br>E<br>S<br>T<br>E<br>R | CORE<br>COURSE<br>(12)                                   | Cr<br>edi<br>ts | ABILITY<br>ENHANC<br>EMENT<br>COMPU<br>LSORY<br>COURSE<br>(AECC)<br>(2)                        | Cr<br>edi<br>ts | ABILIT<br>Y<br>ENHAN<br>CEMEN<br>T<br>ELECTI<br>VE<br>COURS<br>E<br>(AEEC)<br>(2) | Cr<br>edi<br>ts | DISCIPLI<br>NE<br>SPECIFIC<br>ELECTIV<br>E<br>DSE (4) | C<br>r<br>e<br>d<br>i<br>t<br>s | GENERIC<br>ELECTIVE<br>(GE) (4) | Credits |
| I                                | English/<br>MIL-1  | 06              | (English/<br>MIL<br>Communi<br>cation)<br>/<br>Environm<br>ental<br>Science<br>(02<br>Credits) | 02              |   |                 |   |                                 |                                 |         |
|                                  | DSC-Com-<br>1A:<br>Financial<br>Accounting               | 06              |  |                 |   |                 |   |                                 |                                 |         |
|                                  | DSC-2A:<br>Business<br>Organisation<br>and<br>Management | 06              |  |                 |   |                 |   |                                 |                                 |         |
| II                               | English/<br>MIL-1  | 06              | (English/<br>MIL<br>Communi<br>cation)<br>/<br>Environm<br>ental<br>Science<br>(02<br>Credits) | 02              |   |                 |   |                                 |                                 |         |
|                                  | DSC-Com-<br>1B:<br>Business Law                          | 06              |  |                 |   |                 |   |                                 |                                 |         |
|                                  | DSC-2B-<br>Business<br>Mathematics<br>and Statistics     | 06              |  |                 |   |                 |   |                                 |                                 |         |
| III                              | English/<br>MIL-2  | 06              |  |                 | SEC-1-<br>Personali<br>ty<br>Develop<br>ment<br>02<br>credits                     | 02              |   |                                 |                                 |         |
|                                  | DSC-Com-<br>1C:<br>Income Tax<br>Law and<br>Practice     | 06              |  |                 |   |                 |   |                                 |                                 |         |
|                                  | DSC- 2C-<br>Company<br>Law                               | 06              |  |                 |   |                 |   |                                 |                                 |         |
| IV                               | English/<br>MIL-2  | 06              |  |                 | SEC-2-<br>Women<br>and law-   | 02              |   |                                 |                                 |         |

|    |                                  |    |  |    |   |    |   |    |                                |    |
|----|----------------------------------|----|--|----|---|----|---|----|--------------------------------|----|
|    | DSC-Com-1D: Corporate Accounting | 06 |  |    | 02<br>02<br>credits   |    |   |    |                                |    |
|    | DSC- 2D- Cost Accounting         | 06 |  |    |   |    |   |    |                                |    |
| V  |                                  |    |  |    | SEC-3-AEEC-PSY-P-02: Managin g Stress (Theory+ Worksho ps/semin ars) 02 Credits | 02 | DSE-1A- DSE-Com: Auditing and Corporate Governance    | 06 | GE-1- Entrepreneursh ip        | 06 |
|    |                                  |    |  |    |   |    | DSE-Com-2: Indirect Tax                               | 06 |                                |    |
| VI |                                  |    |  |    | SEC-4- Managin g Finance  | 02 | DSE-1B – Managemen t Accounting                       | 06 | GE-2 – Computerised Accounting | 06 |
|    |                                  |    |  |    |   |    | DSE-2B- Fundament als of Investment s / Dissertatio n | 06 |                                |    |
|    | Total                            | 72 |  | 04 |   | 08 |   | 24 |                                | 12 |

Total 120 credits

| B.A. MARATHI (CBCS)  |   |                 |   |                 |   |                 |  |                 |  |             |
|----------------------|---|-----------------|---|-----------------|---|-----------------|--|-----------------|--|-------------|
| SE<br>ME<br>STE<br>R | CORE<br>COURSE (12)   | Cr<br>edi<br>ts | ABILITY<br>ENHANCE<br>MENT<br>COMPULS<br>ORY<br>COURSE<br>(AECC) (2)            | Cr<br>edi<br>ts | ABILITY<br>ENHANCE<br>MENT<br>ELECTIV<br>E<br>COURSE<br>(AEEC)<br>(2) | Cr<br>edi<br>ts | DISCI<br>PLINE<br>SPECI<br>FIC<br>ELEC<br>TIVE<br>DSE<br>(4) | Cr<br>edi<br>ts | GENE<br>RIC<br>ELEC<br>TIVE<br>(GE)<br>(4) | Cre<br>dits |
| I                    | English/ MIL-1  | 06              | (English/MIL<br>Communication)<br>/<br>Environmental<br>Science<br>(02 Credits) | 02              |   |                 |  |                 |  |             |
|                      | DSC—Marathi<br>– 1 A  | 06              |   |                 |   |                 |  |                 |  |             |
|                      | Marathi<br>Kadambari<br>Theory and<br>Text book               |                 |   |                 |   |                 |  |                 |  |             |
|                      | DSC-2A:<br>Marathi<br>Bhasha ani<br>Vyakaran 1                | 06              |   |                 |   |                 |  |                 |  |             |
| II                   | English/ MIL-1  | 06              | (English/MIL<br>Communication)<br>/<br>Environmental<br>Science<br>(02 Credits) | 02              |   |                 |  |                 |  |             |
|                      | DSC-PSY-1B:<br>Marathi<br>Charitra<br>Theory and<br>text book | 06              |   |                 |   |                 |  |                 |  |             |
|                      | DSC-2B-<br>Marath Bhasha<br>ani Vyakaran                      | 06              |   |                 |   |                 |  |                 |  |             |
|                      |   |                 |   |                 |   |                 |  |                 |  |             |
| III                  | English/ MIL-2  | 06              |   |                 | SEC-1- PD   | 02<br>02        |  |                 |  |             |
|                      | DSC-PSY-1C:<br>Marathi<br>Kavita<br>Theory and<br>text book   | 06              |   |                 |   |                 |  |                 |  |             |
|                      | DSC- 2C-<br>Sahityachi<br>Bhasha                              | 06              |   |                 |   |                 |  |                 |  |             |
|                      |   |                 |   |                 |   |                 |  |                 |  |             |
| IV                   | English/ MIL-2  | 06              |   |                 | SEC-2-<br>Women and<br>law-02   | 02<br>02        |  |                 |  |             |
|                      | DSC-PSY-1D:<br>Marathi<br>kavyashastra                        | 06              |   |                 |   |                 |  |                 |  |             |
|                      | DSC- 2D-<br>Marathi Natak<br>Theory and<br>text Book          | 06              |   |                 |   |                 |  |                 |  |             |
|                      |   |                 |   |                 |   |                 |  |                 |  |             |

|    |       |    |  |    |   |    |   |    |  |    |
|----|-------|----|--|----|---|----|---|----|--|----|
| V  |       |    |  |    | SEC-3-<br>AEEC-<br>PSY-P-02:<br>Managing<br>Stress<br>(Theory+<br>Workshops/<br>seminars)<br>02 Credits | 02 | DSE-<br>1A-<br>DSE<br>Mar<br>Lekhan<br>kaushal<br>ya<br>Theory<br>and<br>applied    | 06 | GE-1-<br>GE-<br>MAR<br>P-01:<br><br>Samkal<br>in<br>Sahiyac<br>ha<br>abhyaas<br>-<br>Granin<br>Sahitya | 06 |
|    |       |    |  |    |   |    | DSE-<br>Mar.-<br>2Ba: C<br><br>Vyavha<br>rik<br>Marathi<br>Theory<br>and<br>applied | 06 |  |    |
| VI |       |    |  |    | SEC-4-<br>Managing<br>Finance   | 02 | DSE-<br>1B - Or<br>Prasar<br>Madhy<br>masathi<br>Marathi                            | 06 | GE-2 -<br>GE-<br>MAR-<br>P-03:<br>Striyac<br>hya<br>Sahiyac<br>ha<br>abhyaas                           | 06 |
|    |       |    |  |    |   |    | Grant<br>Pariks<br>han ani<br>saniksh<br>a<br>Teory<br>and<br>Text<br>book          | 06 |  |    |
|    | Total | 72 |  | 04 |   | 08 |   | 24 |  | 12 |

Total 120 credits



## Department of Hindi : Structure of Choice Based Credit System

| Course Title       | Semester 1 |         |  |         | Course Title   |
|--------------------|------------|---------|--|---------|--|
| Existing           | Courses    | Credits |  | Courses | Proposed   |
| DC                 | 2          | 8       |  | 1       | Core Course<br>DSC-1<br>(हिंदी साहित्य का इतिहास)  |
| FC                 | 2          | 8       |  | 1       | Core Course<br>DSC-2<br>(मध्यकालीन हिंदी कविता)  |
| C.C. Eng (L.L.)    | 1          | 4       |  | 1       | Core Course<br>Eng/MIL-1   |
| AC (Eco, Geo, Psy) | 1          | 4       |  | 1       | AECC<br>Environmental<br>Studies/English<br>Communication/MIL-1<br>(हिंदी व्याकरण और संप्रेषण) |
|                    | 6          | 24      |  | 4       |  |

| Course Title       | Semester 3 |         |  |         | Course Title  |
|--------------------|------------|---------|--|---------|---|
| Existing           | Courses    | Credits |  | Courses | Proposed  |
| DC                 | 2          | 8       |  | 1       | Core Course<br>DSC-5<br>(हिंदी कथा साहित्य- उपन्यास<br>एवं कहानी) |
| APC (Hindi)        | 1          | 4       |  | 1       | Core Course<br>DSC-6<br>(हिंदी नाट्य विधा और<br>आत्मकथा)          |
| C.C. Eng (L.L.)    | 1          | 4       |  | 1       | Core Course<br>Eng/MIL-2  |
| FC                 | 1          | 4       |  | 1       | SEC-1 (Compulsory College<br>Desisted Paper)                      |
| AC (Eco, Geo, Psy) | 1          | 4       |  |         |   |
|                    | 6          | 24      |  | 4       | 22  |

| Course Title    | Semester 5 |         |  |         | Course Title                                |
|-----------------|------------|---------|--|---------|---|
| Existing        | Courses    | Credits |  | Courses | Proposed                                    |
| DC              | 4          | 16      |  | 1       | SEC-3 Compulsory College<br>Desisted Paper) |
| APC (Hindi)     | 1          | 4       |  | 1       | DSE-1<br>(हिंदी की राष्ट्रीय काव्यधारा)     |
| C.C. Eng (L.L.) | 1          | 4       |  | 1       | DSE-2<br>(हिंदी निबंध)                      |
|                 |            |         |  | 1       | G.E-1                                       |
|                 | 6          | 24      |  | 4       | 22  |

| Course Title       | Semester 2 |         |  |         | Course Title  |
|--------------------|------------|---------|--|---------|---|
| Existing           | Courses    | Credits |  | Courses | Proposed  |
| DC                 | 2          | 8       |  | 1       | Core Course<br>DSC-3<br>(हिंदी गद्य साहित्य)  |
| FC                 | 2          | 8       |  | 1       | Core Course<br>DSC-4<br>(आधुनिक हिंदी कविता)  |
| C.C. Eng (L.L.)    | 1          | 4       |  | 1       | Core Course<br>Eng/MIL-1  |
| AC (Eco, Geo, Psy) | 1          | 4       |  | 1       | AECC<br>MIL/English<br>Communication/Environmental Studies -1<br>(हिंदी भाषा और संप्रेषण) |
|                    | 6          | 24      |  | 4       |   |

| Course Title       | Semester 4 |         |  |         | Course Title   |
|--------------------|------------|---------|--|---------|--|
| Existing           | Courses    | Credits |  | Courses | Proposed   |
| DC                 | 2          | 8       |  | 1       | Core Course<br>DSC-7<br>(अस्मितामूलक विमर्श और<br>हिंदी साहित्य) |
| APC (Hindi)        | 1          | 4       |  | 1       | Core Course<br>DSC-8<br>(समकालीन महिला लेखन)                     |
| C.C. Eng (L.L.)    | 1          | 4       |  | 1       | Core Course<br>Eng/MIL-2   |
| FC                 | 1          | 4       |  | 1       | SEC-2 Compulsory College<br>Desisted Paper)                      |
| AC (Eco, Geo, Psy) | 1          | 4       |  |         |  |
|                    | 6          | 24      |  | 4       |  |

| Course Title    | Semester 6 |         |  |         | Course Title                                      |
|-----------------|------------|---------|--|---------|---|
| Existing        | Courses    | Credits |  | Courses | Proposed  |
| DC              | 4          | 16      |  | 1       | SEC-4 Compulsory College<br>Desisted Paper)       |
| APC (Hindi)     | 1          | 4       |  | 1       | DSE-3<br>(छायावादोत्तर हिंदी कविता)               |
| C.C. Eng (L.L.) | 1          | 4       |  | 1       | DSE-4 (Dissertation/Project/<br>प्रयोजनपरक हिंदी) |
|                 |            |         |  | 1       | G.E-2   |
|                 | 6          | 24      |  | 4       |   |

| BVA DRAWING & PAINTING (CBCS SCHEME) |  |                 |  |                         |   |                         |   |                         |                                     |             |
|--------------------------------------|--|-----------------|--|-------------------------|---|-------------------------|---|-------------------------|-------------------------------------|-------------|
| SE<br>ME<br>STE<br>R                 | CORE<br>COURSE (12)  | Cr<br>edi<br>ts | ABILIT<br>Y<br>ENHAN<br>CEMEN<br>T<br>COMPU<br>LSORY<br>COURS<br>E<br>(AECC)<br>(2)            | C<br>r<br>e<br>di<br>ts | ABILITY<br>ENHANCE<br>MENT<br>ELECTIV<br>E<br>COURSE<br>(AECC)<br>(2) | C<br>r<br>e<br>di<br>ts | DISCIPL<br>INE<br>SPECIFI<br>C<br>ELECTI<br>VE<br>DSE (4) | C<br>r<br>e<br>di<br>ts | GENERIC<br>ELECTIV<br>E<br>(GE) (4) | Cre<br>dits |
| I                                    | English/ MIL-1   | 06              | (English/<br>MIL<br>Commun<br>ication)<br>/<br>Environ<br>mental<br>Science<br>(02<br>Credits) | 0<br>2                  |   |                         |   |                         |                                     |             |
|                                      | DSC- 1A:<br>Fundamentals of<br>Art & 2D<br>Design-6<br>(Theory +<br>Practical) | 06              |  |                         |   |                         |   |                         |                                     |             |
|                                      | DSC-2A:<br>Nature & Object<br>Drawing-4<br>Theory -2                           | 06              |  |                         |   |                         |   |                         |                                     |             |
| II                                   | English/ MIL-1   | 06              | (English/<br>MIL<br>Commun<br>ication)<br>/<br>Environ<br>mental<br>Science<br>(02<br>Credits) | 0<br>2                  |   |                         |   |                         |                                     |             |
|                                      | DSC- 1B:<br>Fundamentals of<br>Art & 2D<br>Design-6<br>(Theory +<br>Practical) | 06              |  |                         |   |                         |   |                         |                                     |             |
|                                      | DSC-2B-<br>Antique -4<br>Theory -2   | 06              |  |                         |   |                         |   |                         |                                     |             |
| III                                  | English/ MIL-2   | 06              |  |                         | SEC-1- PD   | 0<br>2                  |   |                         |                                     |             |
|                                      | DSC- 1C:<br>Head Study -6<br>(Practical)                                       | 06              |  |                         |   |                         |   |                         |                                     |             |
|                                      | DSC- 2C-<br>Still Life-4<br>Theory -2  | 06              |  |                         |   |                         |   |                         |                                     |             |
| IV                                   | English/ MIL-2   | 06              |  |                         | SEC-2-<br>Women and<br>law  | 0<br>2                  |   |                         |                                     |             |
|                                      | DSC-1D:<br>Head Study-4<br>Theory -2<br>(Theory +<br>Practical)                | 06              |  |                         |   |                         |   |                         |                                     |             |
|                                      | DSC- 2D-<br>Pictorial Design<br>-4<br>Theory -2                                | 06              |  |                         |   |                         |   |                         |                                     |             |

|       |  |    |  |        |   |        |  |                                      |                       |    |
|-------|--|----|--|--------|---|--------|--|--------------------------------------|-----------------------|----|
| V     |  |    |  |        | SEC-3-<br>AEEC-<br>PSY-P-02:<br>Managing<br>Stress<br>(Theory+<br>Workshops/<br>seminars)<br>02 Credits | 0<br>2 | DSE-1A<br>Portrait<br>Painting +<br>History of<br>Art            | 0<br>6                               | GE-1-<br>Mural – I    | 02 |
|       |  |    |  |        |   |        | DSE-2A<br>Compositi<br>on<br>Theory<br>Aesthetics                | 0<br>6                               |                       |    |
| VI    |  |    |  |        | SEC-4-<br>Managing<br>Finance   | 0<br>2 | DSE-1B<br>Portrait<br>Painting<br>Theory<br>History of<br>Art    | 0<br>6                               | GE-2 - GE-<br>Mural-2 | 02 |
|       |  |    |  |        |   |        | Compositi<br>on<br>Theory<br>Aesthetics                          | 0<br>6                               |                       |    |
| VII   |  |    |  |        |   | 0<br>2 | Portrait<br>Painting<br>Theory<br>Theory<br>Creative<br>Painting | 0<br>6<br>0<br>2<br>0<br>2<br>0<br>6 | Mural -3              | 02 |
| VIII  |  |    |  |        |   |        | Portrait<br>Painting<br>Dissertati<br>on<br>Creative<br>Painting | 0<br>6<br>0<br>2<br>0<br>6           | Mural -4              | 02 |
| Total |  | 72 |  | 0<br>4 |   | 1<br>0 |  | 5<br>4                               |                       | 08 |

Total 148 Credits

| <b>B.A. GEOGRAPHY (CBCS)</b>   |  |                          |   |                          |  |                          |  |                                    |  |                     |
|--------------------------------|--|--------------------------|---|--------------------------|--|--------------------------|--|------------------------------------|--|---------------------|
| <b>SE<br/>ME<br/>STE<br/>R</b> | <b>CORE<br/>COURSE<br/>(12)</b>                | <b>Cr<br/>edi<br/>ts</b> | <b>ABILITY<br/>ENHANCE<br/>MENT<br/>COMPULS<br/>ORY<br/>COURSE<br/>(AECC) (2)</b> | <b>Cr<br/>edi<br/>ts</b> | <b>ABILITY<br/>ENHANC<br/>EMENT<br/>ELECTI<br/>VE<br/>COURSE<br/>(AEEC)<br/>(2)</b>                          | <b>Cr<br/>edi<br/>ts</b> | <b>DISCIP<br/>LINE<br/>SPECIF<br/>IC<br/>ELECTI<br/>VE<br/>DSE (4)</b> | <b>C<br/>r<br/>e<br/>di<br/>ts</b> | <b>GENERIC<br/>ELECTIVE<br/>(GE) (4)</b> | <b>Cre<br/>dits</b> |
| I                              | English/<br>MIL-1                              | 06                       | (English/MIL<br>Communication)<br>/<br>Environmental<br>Science<br>(02 Credits)   | 02                       |  |                          |  |                                    |  |                     |
|                                | DSC-I<br>Physical<br>Geography                 | 06                       |   |                          |  |                          |  |                                    |  |                     |
|                                | DSC-II<br>Geomorphology                        | 06                       |   |                          |  |                          |  |                                    |  |                     |
| II                             | English/<br>MIL-1                              | 06                       | (English/MIL<br>Communication)<br>/<br>Environmental<br>Science<br>(02 Credits)   | 02                       |  |                          |  |                                    |  |                     |
|                                | DSC-III<br>Human<br>Geography                  | 06                       |   |                          |  |                          |  |                                    |  |                     |
|                                | DSC-IV<br>Settlement<br>Geography              | 06                       |   |                          |  |                          |  |                                    |  |                     |
| III                            | English/<br>MIL-2                              | 06                       |   |                          | SEC-I<br>Regional<br>Planning<br>and<br>Development<br>02 credits  | 02<br>02                 |  |                                    |  |                     |
|                                | DSC-V<br>General<br>Cartography<br>(Practical) | 06                       |   |                          |  |                          |  |                                    |  |                     |
|                                | DSC-VI<br>Introduction<br>to climate           | 06                       |   |                          |  |                          |  |                                    |  |                     |
| IV                             | English/<br>MIL-2                              | 06                       |   |                          | SEC-II<br>Remote<br>Sensing<br>and GPS<br>based<br>project<br>report<br>(Theory+<br>Practical)<br>02 credits | 02<br>02                 |  |                                    |  |                     |
|                                | DSC-VII<br>Environmental<br>Geography          | 06                       |   |                          |  |                          |  |                                    |  |                     |
|                                | DSC-VIII<br>Oceanography                       | 06                       |   |                          |  |                          |  |                                    |  |                     |

|    |       |    |  |    |  |    |   |        |  |      |
|----|-------|----|--|----|--|----|---|--------|--|------|
| V  |       |    |  |    | SEC-III<br>GIS based<br>project<br>report<br>(practical)<br>02 Credits                                 | 02 | DSE-I<br>Geograp<br>hy of<br>India      | 0<br>6 | GE-I<br>Disaster risk<br>Reduction<br>04credits      | 0664 |
|    |       |    |  |    |  |    | DSE-II<br>Economi<br>c<br>Geograp<br>hy | 0<br>6 |  |      |
| VI |       |    |  |    | SEC-IV<br>Field<br>techniques<br>and survey<br>based<br>project<br>report<br>(Practical)<br>Credits-02 | 02 | DSE-III<br>Disaster<br>Manage<br>ment   | 0<br>6 | GE-II<br>(6)<br>Sustainability<br>and<br>Development | 06   |
|    |       |    |  |    |  |    | DSE- IV<br>Geograp<br>hy of<br>Tourism  | 0<br>6 |  |      |
|    | Total | 72 |  | 04 |  | 08 |   | 2<br>4 |  | 12   |

Total 120 credits

| <b>B. Com. Accountancy and Finance(CBCS)</b> |  |                          |   |                     |  |  |   |  |  |                    |
|--|--|--------------------------|---|---------------------|--|--|---|--|--|--------------------|
| <b>SE<br/>M<br/>ES<br/>TE<br/>R</b>          | <b>CORE COURSE (12)</b>  | <b>Cr<br/>edi<br/>ts</b> | <b>ABILITY<br/>ENHANCE<br/>MENT<br/>COMPULS<br/>ORY<br/>COURSE<br/>(AECC) (2)</b>       | <b>Cre<br/>dits</b> | <b>ABILIT<br/>Y<br/>ENHAN<br/>CEMEN<br/>T<br/>ELECTI<br/>VE<br/>COURS<br/>E<br/>(AEEC)<br/>(2)</b> | <b>C<br/>r<br/>e<br/>d<br/>i<br/>t<br/>s</b> | <b>DISCIPLI<br/>NE<br/>SPECIFIC<br/>ELECTIV<br/>E<br/>DSE (4)</b> | <b>C<br/>r<br/>e<br/>d<br/>i<br/>t<br/>s</b> | <b>GENER<br/>IC<br/>ELECTI<br/>VE<br/>(GE) (4)</b> | <b>Cr<br/>edit</b> |
| I  | English/ MIL-1   | 06                       | (English/MIL<br>Communicati<br>on)<br>/<br>Environment<br>al<br>Science<br>(02 Credits) | 02                  |  |  |   |  |  |                    |
|  | DSC-Com-1A:<br>Financial Accounting                            | 06                       |   |                     |  |  |   |  |  |                    |
|  | DSC-2A: Basics of<br>Finance                                   | 06                       |   |                     |  |  |   |  |  |                    |
| II   | English/ MIL-1   | 06                       | (English/MIL<br>Communicati<br>on)<br>/<br>Environment<br>al<br>Science<br>(02 Credits) | 02                  |  |  |   |  |  |                    |
|  | DSC-Com-1B:<br>Fundamentals of<br>Financial Management         | 06                       |   |                     |  |  |   |  |  |                    |
|  | DSC-2B-Indian<br>Financial Institutions                        | 06                       |   |                     |  |  |   |  |  |                    |
| III  | English/ MIL-2   | 06                       |   |                     | SEC-1-<br>Personali<br>ty<br>Develop<br>ment<br>02<br>credits                                      | 0<br>2                                       |   |  |  |                    |
|  | DSC-Com-1C:<br>Indian Capital Markets                          | 06                       |   |                     |  |  |   |  |  |                    |
|  | DSC- 2C- Investment<br>Portfolio Management                    | 06                       |   |                     |  |  |   |  |  |                    |
| IV   | English/ MIL-2   | 06                       |   |                     | SEC-2-<br>Women<br>and law-<br>02<br>02<br>credits   | 0<br>2                                       |   |  |  |                    |
|  | DSC-Com-1D:<br>Fundamental and<br>Technical Equity<br>Research | 06                       |   |                     |  |  |   |  |  |                    |
|  | DSC- 2D- Banking and<br>Insurance                              | 06                       |   |                     |  |  |   |  |  |                    |

|    |       |    |  |    |  |    |   |    |   |    |
|----|-------|----|--|----|--|----|---|----|---|----|
| V  |       |    |  |    | SEC-3-AEEC-PSY-P-02: Managing Stress (Theory+ Workshops/seminars) 02 Credits | 02 | DSE-1A-DSE-Com: Risk Measurement and Management | 06 | GE-1-Modern Financial Performance Measurement | 06 |
|    |       |    |  |    |  |    | DSE-Com-2: GAAP and IFRS                        | 06 |   |    |
| VI |       |    |  |    | SEC-4-Managing Finance   | 02 | DSE-1B – CPM and PERT                           | 06 | GE-2 – Valuation of Firms and Shares          | 06 |
|    |       |    |  |    |  |    | DSE-2B-Dissertation                             | 06 |   |    |
|    | Total | 72 |  | 04 |  | 08 |   | 24 |   | 12 |

Total 120 credits



| B.A. English (CBCS)  |   |             |  |                                 |   |             |   |             |                                     |           |
|----------------------|---|-------------|--|---------------------------------|---|-------------|---|-------------|-------------------------------------|-----------|
| SE<br>ME<br>STE<br>R | CORE<br>COURSE<br>(12)  | Cre<br>dits | ABILIT<br>Y<br>ENHAN<br>CEMEN<br>T<br>COMPU<br>LSORY<br>COURS<br>E<br>(AECC)<br>(2)            | C<br>r<br>e<br>d<br>i<br>t<br>s | ABIL<br>ITY<br>ENH<br>ANC<br>EME<br>NT<br>ELE<br>CTIV<br>E<br>COURSE<br>(AEE<br>C)<br>(2) | Credi<br>ts | DISCIPL<br>INE<br>SPECIFI<br>C<br>ELECTI<br>VE<br>DSE (4) | Credi<br>ts | GENERIC<br>ELECTIV<br>E<br>(GE) (4) | Cr<br>dit |
| I                    | English/<br>MIL-1   | 06          | (English/<br>MIL<br>Commun<br>ication)<br>/<br>Environ<br>mental<br>Science<br>(02<br>Credits) | 0<br>2                          |   |             |   |             |                                     |           |
|                      | DSC--1A:<br>The<br>Individual<br>and Society<br>(1D).   | 06          |  |                                 |   |             |   |             |                                     |           |
|                      | DSC-2A:<br>Intro. to<br>Literary<br>Studies,<br>Concepts and<br>Genres  | 06          |  |                                 |   |             |   |             |                                     |           |
| II                   | English/<br>MIL-1   | 06          | (English/<br>MIL<br>Commun<br>ication)<br>/<br>Environ<br>mental<br>Science<br>(02<br>Credits) | 0<br>2                          |   |             |   |             |                                     |           |
|                      | DSC-Eng-<br>1B:<br>Selections<br>(Poems ,<br>Short sotries)<br>from Modern<br>Indian Lit.<br>20 <sup>th</sup> Century<br>Poetry (1900<br>to 1970 ) &<br>Prose<br>(Indian) | 06          |  |                                 |   |             |   |             |                                     |           |
|                      | DSC-2B-<br>Modern<br>Drama<br>(Indian)  | 06          |  |                                 |   |             |   |             |                                     |           |
| III                  | English/<br>MIL-2   | 06          |  |                                 | SEC-<br>1<br>Curre  | 02<br>02    |   |             |                                     |           |

|    |  |    |  |  |  |      |  |  |  |
|----|--|----|--|--|--|------|--|--|--|
|    | DSC-Eng-1C: British Literature Novel: Modern Novel Play: Shakespearean Play  | 06 |  |  | nt concern-02 or AEEC -Eng-P-01: Developing emotional competence (Theory+ Workshops/seminars) 02 credits |      |  |  |  |
|    | AEEC 1: Creative Writing, Book and Media Reviews.  | 06 |  |  |  |      |  |  |  |
| IV | English/MIL-2  | 06 |  |  | SEC-2PD-02 or AEEC -Eng-P-03: Making decisions (Theory+ Workshops/seminars) 02 credits                   | 0202 |  |  |  |
|    | DSC-ENG-1D: Literary Cross Currents Selections from Living Literatures- An Anthology of Prose and Poetry Eds. Vinay Sood, et.al Orient Longman Novella: A Heart of Darkness; The Old Man and the Sea Play: Bernald Shaw' Candida; Ibsen's A Doll's House | 06 |  |  |  |      |  |  |  |

|    |   |    |  |        |  |    |  |    |  |    |
|----|---|----|--|--------|--|----|--|----|--|----|
|    | AEEC 2:<br>Translation<br>Studies and<br>Principles of<br>Translation | 06 |  |        |  |    |  |    |  |    |
| V  |   |    |  |        | SEC-3-<br>AEEC<br>-<br>ENG-<br>P-02:<br>Mana<br>ging<br>Stress<br>(Theo<br>ry+<br>Work<br>shops/<br>semin<br>ars)<br>02<br>Credit<br>s | 02 | DSE-1A-<br>DSE-Eng-<br>Eng-P-01:<br>Children's<br>Literature   | 06 | GE-1- GE-<br>AEEC 3<br>Technical<br>Writing<br><br>06credits | 06 |
|    |   |    |  |        |  |    | DSE-Eng-<br>P-03:<br>Fable and<br>Detective<br>Fiction in<br>Children's<br>Literatur<br>e Credits-<br>06 | 06 |  |    |
| VI |   |    |  |        | SEC-4<br>AEEC<br>-Eng-<br>P-04:  | 02 | DSE- -2A:<br>Introduc<br>ing<br>Critical<br>Writing<br>Credits-04<br>DSE-2B -                            | 06 | GE-2 - GE-<br>DSE 1A<br>Soft Skills                          | 06 |
|    |   |    |  |        |  |    | Dissertati<br>on/<br>Project<br>Work   | 06 |  |    |
|    | Total   | 72 |  | 0<br>4 |  | 08 |  | 24 |  | 12 |

Total 120 credits



# PROPOSED SCHEME FOR CHOICE BASED CREDIT SYSTEM IN

## B.C.A. Program (Computer Science)

| SE<br>ME<br>STE<br>R | CORE COURSE<br>(12)<br>DSC                                | Ability<br>Enhancement<br>Compulsory<br>Course (AECC)<br>(2) | Skill<br>Enhancement<br>Course (SEC)<br>(2) | Elective:<br>Discipline<br>Specific DSE<br>(6) |
|----------------------|---|--|---|--|
| I                    | Problem Solving<br>using C + C Lab (4 + 2)                |  |   |  |
|                      | DSC – 2A<br>HTML Programming + HTML Lab(4+2)              | (English/MIL<br>Communication<br>)                           |   |  |
|                      | DSC – 3A<br>Discrete Structures and Graph Theory(6)       | /Environmental<br>Science                                    |   |  |
| II                   | Operating Systems + OS Lab<br>(4 + 2)                     | Environmental<br>Science/                                    |   |  |
|                      | DSC – 2B<br>( Advanced C + Advanced C Lab)<br>(4 + 2)     | (English/MIL<br>Communication<br>)                           |   |  |
|                      | DSC – 3B<br>(Principles And Practice Of<br>Accounting)(6) |  |   |  |
| III                  | Database Management<br>Systems + DBMS Lab<br>(4+2)        |  | SEC – 1<br>(PHP Programming)                |  |
|                      | DSC – 2C<br>(Software Engineering)<br><br>(6)             |  |   |  |
|                      | DSC – 3C<br>(Data Structures + DS LAB) (4 + 2)            |  |   |  |
| IV                   | Computer System<br><br>Architecture (4 + 2)               |  | SEC – 2<br>(Office Automation<br>Tools)     |  |
|                      | DSC – 2D<br>(Java Programming + Lab)(4+2)                 |  |   |  |
|                      | DSC – 3D<br>Data Mining (6)                               |  |   |  |

|    |  |  |                                 |  |
|----|--|--|---------------------------------|--|
| V  |  |  | SEC – 3<br>(MySQL (SQL/PL-SQL)) | DSE – 1A<br>(Advance Java)<br>(4+2)          |
|    |  |  |                                 | DSE – 2A<br>(Programming in Visual Basic)    |
|    |  |  |                                 | DSE – 3A<br>(Project Work / Dissertation)(6) |
| VI |  |  | SEC – 4                         | DSE – 1B<br>( Computer Networks)<br>(6)      |
|    |  |  | (UML)                           | DSE – 2B<br>Management Information System(6) |
|    |  |  |                                 | DSE – 3B<br>(Project Work / Dissertation)    |

## HINDUSTANI MUSIC (VOCAL/INSTRUMENTAL)

| Semester | CORE COURSE (12)  | Ability Enhancement Compulsory Course(AECC) (2)    | Skill Enhancement Course (SEC) (2)   | Elective: Discipline Specific DSE (4)                     | Elective: Generic (GE) (2)                                |
|----------|---|--|--|---|---|
| I        | English/MIL-1   | (English/MIL Communication)/ Environmental Science |  |   |   |
|          | DSC-1A Theory of Indian Music: Unit-1   |  |  |   |   |
|          | Practical: Unit-2   |  |  |   |   |
| II       | English/MIL-2   | Environmental Science/(English/MIL Communication)  |  |   |   |
|          | Theory of Indian Music General & Biographies Unit-I                           |  |  |   |   |
|          | Practical : Unit-II   |  |  |   |   |
| III      | English/MIL-3   |  | SEC-1<br>Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2 |   |   |
|          | Theory: Unit-1 Ancient Granthas & Contribution of musicologists               |  |  |   |   |
|          | Practical : Unit-2  |  |  |   |   |
| IV       | English/MIL-4   |  | SEC-2<br>Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2 |   |   |
|          | Theory : Unit-1 Medieval Granthas & Contribution of Musicians                 |  |  |   |   |
|          | Practical : Unit-2  |  |  |   |   |
| V        | Theory: Unit-1 Study of Ancient Granthas & Ragas<br><br>Practical : Unit-2    |  | SEC-3<br>Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2 | DSE-1A Theory: Vocal / Instrumental (Hindustani Music)    | Generic Elective -1 (Vocal/ Instrumental Music) Theory    |
|          |   |  |  | DSE-2A Practical: Vocal / Instrumental (Hindustani Music) |   |
|          |   |  |  |   |   |
| VI       | Theory : Unit-1 Musicology & Study of Ragas & Talas<br><br>Practical : Unit-2 |  | SEC-4<br>Value based & Practical Oriented course for Hindustani Music (Vocal/Instrumental) Credits-2 | DSE-1B Theory: Vocal / Instrumental (Hindustani Music)    | Generic Elective -2 (Vocal/ Instrumental Music) Practical |
|          |   |  |  | DSE-2B Practical: Vocal / Instrumental (Hindustani Music) |   |
|          |   |  |  |   |   |





**Choice Based Credit System**  
**Syllabus for B.A. (Prog.) Hindustani Music**  
**(Vocal/ Instrumental)**

|                         | Total Marks | Credits   |
|-------------------------|-------------|-----------|
| <b>SEM-I</b>            |             |           |
| Paper - I : Theory      | 38+12 = 50  | 4         |
| Paper - I : Practical   | 50          | 6         |
| <b>SEM-II</b>           |             |           |
| Paper - II : Theory     | 38+12 = 50  | 4         |
| Paper - II : Practical  | 50          | 6         |
| <b>SEM-III</b>          |             |           |
| Paper - III : Theory    | 38+12 = 50  | 4         |
| Paper - III : Practical | 50          | 6         |
| <b>SEM-IV</b>           |             |           |
| Paper - IV : Theory     | 38+12 = 50  | 4         |
| Paper - IV : Practical  | 50          | 6         |
| <b>SEM-V</b>            |             |           |
| Paper - V : Theory      | 38+12 = 50  | 4         |
| Paper - V : Practical   | 50          | 6         |
| <b>SEM-VI</b>           |             |           |
| Paper - VI : Theory     | 38+12 = 50  | 4         |
| Paper - VI : Practical  | 50          | 6         |
|                         | <u>600</u>  | <u>60</u> |