

27 FEB 2018
BERHAMPUR UNIVERSITY

GOVERNMENT OF ODISHA
HIGHER EDUCATION DEPARTMENT

FTT-HE/ETC-NB-4401/2016

5701

Dated 26.2.18

OFFICE
CENTRAL DAIRY
30.3 MAR 2018
BERHAMPUR UNIVERSITY

To
L. V. Sarmā,
Additional Chief Secretary to Government

Vice-Chancellor
Utkal University, Sambalpur University, Berhampur University, Ravenshaw University, PM University,
North Odisha University, Rama Devi Women's University, O.M. University, Khallikote University

Sub: Regarding revision of syllabus under CBCS course curriculum

You are aware that five committees were setup during the conference of Vice-Chancellors in November, 2017 to suggest measures to improve various aspects of Higher Education. Four such committees have independently recommended streamlining of the CBCS curriculum. Accordingly, a meeting was held at the Auditorium of Utkal University on 23rd February 2018 under the Chairmanship of Vice-Chancellor, Odisha State Higher Education Council (OSHEC) & Chairperson of Board of Studies (BoS) of all the departments in Utkal University and selected departments from other universities attended the meeting. As per the discussions held and the decisions taken in the meeting, you are requested to ensure the following:

- 1) A committee is formed for each subject to look into in detail and suggest revision of CBCS syllabus. BoS chairpersons of respective departments of UJ will be the coordinator of the committee and BoS chairpersons of all the universities will be its members. The committee will also consist four faculty from different affiliated colleges for practical inputs during the deliberations of the committee. 2 such faculty will be young (less than 3 years of teaching experience in 3 colleges). 2 out of 4 faculties should be from Universities other than Utkal.
- 2) The committee will deliberate in detail on the following and submit a report to OSHEC by 28th March, 2018
 - a) Revised CBCS syllabus for the 14 core papers, 3 Discipline Specific Elective (DSE) papers, and 1 General Elective (GE) paper;
 - b) Textbook prescribed to cover 70 to 80 percent syllabus of each paper. One book per paper may be kept as a thumb rule to ensure that students read from textbooks and not only from class notes. The benchmark will not be applicable to language courses.
 - c) Practical to be adopted based on the revised syllabus taking into account the lab sizes and teaching hours available. List of equipments required be also enclosed.
 - d) New modules requiring training under the revised syllabus and duration of such training.

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By *Amrit Chandra*
Project In P.O.
26/2/18

It may be considered that the GE papers are offered in such a way that maximum choice is available to students as per faculty availability in affiliated colleges. For instance, Science students can also be offered Arts, Law and Commerce subjects.

A committee consisting of BOS Chairpersons of Mathematics, Statistics and English departments of UJ will design syllabus for one GE (2 papers) which offers skills for qualitative analysis, data interpretation, logical/critical thinking, passage comprehension etc.

All Universities may consider adopting one Skill Enhancement Compulsory course as Communicative English. The committee of BOS Chairpersons of English will prepare a standard syllabus for Communicative English course emphasizing on reading, writing, listening and speaking aspects. Internal Evaluation for this paper may have a component testing English speaking skills of the students.

Students under Arts stream may be encouraged to write answer scripts in English. Faculty may be encouraged to teach in English. Taking the background of the students into consideration, difficult terms may be explained in Hindi.

Respective universities are to bear the TA/DA charges of BOS Chairpersons for attending the meeting of the committee entrusted to revise the syllabus.

V.C.'s are requested to personally monitor to insure timely submission of the reports.

Yours faithfully,
[Signature]
26/2/18
Additional Chief Secretary

Memo No. 702/2018-2018
Copy to Vice Chairman, OSHEC (DSD, HD) department, Member Secretary, OSHEC for information/

Recipients: Controllers of Examination of respective universities for information
P.O. CENTRAL OFFICE
BERHAMPUR UNIVERSITY, BHARUABHARAT
Additional Chief Secretary

M. NO. 370 (22) PGC/BU/2018

Dated: 03/03/2018

- 1) copy to All HODs of PG departments, for information and necessary action.
- 2) copy to OIC, in-charge of Academic-I section for information and necessary action.

[Signature]
13/3/18
CHAIRMAN
P.O. Council
Berhampur University



UTKAL UNIVERSITY
VANI VIHAR, BHUBANESWAR-4

EXAMINATIONS CALENDAR 2021- 2022

No.Ex-II/ 19904 /2021,

Dated: 21.10.2021

This is for the information of all concerned that following is the examinations calendar w.r.t different semester examinations for the 2020 A.B. and 2019 A.B. U.G. (Arts/Science/ Commerce) courses respectively.

Sl. No.	Examination Activity	2020 admission batch	2019 admission batch
1	Completion of internal assessment of 2 nd & 4 th Semester Examinations	6 th November 2021 (2 nd Semester)	30 th October, 2021 (4 th Semester)
2	Filling up of forms for term end examinations	3 rd Week of November (2 nd Semester)	1 st week of November, 2021 (4 th Semester)
3	Term end examination for 2 nd / 4 th semester	Through alternative method	Through alternative method
4	Conduct of internal assessment for 3 rd / 5 th Semester students	2 nd week of January 2022	2 nd week of December 2021
5	Commencement of term end examination for 3 rd / 5 th Semester	2 nd week of February 2022	Last week of January 2022
6	Conduct of internal assessment of 4 th / 6 th Semester	3 rd week of April 2022	2 nd week of April 2022
7	Commencement of 4 th / 6 th end semester examination	4 th week of June 2022	2 nd week of May 2022

The proposed dateline as above is tentative only and subject to change as per govt. order or for any unavoidable circumstances.


21/10/2021
CONTROLLER OF EXAMINATIONS

Memo No.Ex-II/ 19905 /2021,

Dated: 21.10.2021

Copy to the Principals of all +3 Affiliated Colleges/Self Financing Colleges under Utkal University for information and necessary action.


21/10/2021
CONTROLLER OF EXAMINATIONS

Regulation for Under Graduate Programme for
+3 (B.A/B.Com/B.Sc) Under Utkal University, Bhubaneswar
(As per CBCS System) From the Session 2016-17

APPLICABLE TO THE STUDENTS OF 2016-17 ADMISSION BATCH AND ONWARDS

1. DURATION:

Three years of six semesters. Odd semester is from July to December (i.e. 1st, 3rd & 5th semester) and the examination shall be held normally in the month of December. Even semester is from January to June (i.e. 2nd, 4th & 6th semester) and the examination shall be held normally in the month of April/May. However, the Final Semester shall be conducted in April and result shall be published within 60 days from the date of completion of the examination. A student would be required to complete the course within six academic years from the date of admission.

2. COMPULSORY REGISTRATION FOR 1ST SEMESTER:

- Form fill up for the 1st semester examination is compulsory.
- A candidate admitted to +3 Courses but not enrolled for 1st semester examination, his/her admission will be automatically cancelled.
- Those who fail in any semester or are unable to appear at any semester or unable to fill up for 2/3/4/5/6 may appear at those semesters during subsequent exam within 6 Years, from date of admission to that course.

3. ATTENDANCE:

A candidate shall be required to attend at least 75% of the lectures in theory and practical classes taken separately.

4. DURATION OF THE EXAMINATIONS MID SEMESTER & END SEMESTER:

End Semester Examination in theory papers carrying full marks above 50(e.g., 60, 75, 80 etc) shall be of 3 hours duration and practical shall be of 3hours (for full marks carrying 30). On the other hand, theory papers carrying 50 marks or below shall be of 2 hours duration.

5. MID SEMESTER EXAMINATION:

- Mid semester examination will be of 01 hour duration for 20 marks. There shall be no pass mark in Mid Semester examination.
- A student who fails to appear in a Mid-Semester Examination will be allowed to take the same examination with the next batch of student only ONCE provided the candidate has to fill-up the forms for the same semester during form fill-up time as a back paper.
- A student has to appear the Mid Term Examination. Absence in a Mid Term paper will be declared as **failed** in that Paper. A student who was absent in the Mid Term examination but has passed at the University End Term examination **shall be treated as failed in that Semester**. Such candidates would be required to appear Mid-Semester Examinations in subsequent semester.

6. MARK DISTRIBUTION:

A. **Subjects Without Practical:**

Mid Term	Term End	Total
20	80	100

B. **Subjects With Practical:**

Mid Term	Term End		Total
	A-Theory	B-Practical	
20	50	30 (20 + 10 (Record))	100

C. (DSE — 4) for Hons. students (6th Semester)

Project -60 + Viva-40 =100

The Project paper will not have Mid-Sem. Examination and it will be evaluated both by External & Internal Examiners Submission of project will carry 60 marks and presentation will carry 40 marks and pass mark in the project will be 40 marks out of 100 marks.

- Evaluation of project shall be completed before the commencement of the 6th Semester End Term Examination.

7. GRADE SYSTEM IN EACH PAPER (MID +END SEM EXAM) IN A SEMESTER

7.1 GRADING SYSTEM

Qualification	Grade	Mark Secured from 100	Grade Point
Outstanding	'O'	90-100	10
Excellent	'A+'	80-89	9
Very Good	'A'	70-79	8
Good	'B+'	60-69	7
Above Average	'B'	50-59	6
Fair	'C'	45-49	5
Pass	'D'	33-44	4
Failed	'F'	Below 33	0
Absent	'AB'	00	0
Malpractice	'M'	00	0

Qualification	Grade	Mark Secured	Grade	Classification for	Classification for
Outstanding	'O'	90-100	10	First Class Hons.	Pass
Excellent	'A+'	80-89	9		
Very Good	'A'	70-79	8		
Good	'B+'	60-69	7		
Above average	'B'	50-59	6		
Fair	'C'	45-49	5		
Pass	'D'	33-44	4	Second Class Hons.	Fail
Failed	'F'	Below 33		Pass without Hons.	
Absent	'AB'				
Malpractice	'M'	00			MP

N.B. A Candidate has to secure 33% or above to pass in each of the Papers.

- The candidate obtaining Grade-F is considered failed and will be required to clear the back paper(s) in the two subsequent examinations within the stipulated time.
- The candidate securing 'C' Grade and above in Core papers (Hons.) in aggregate will be awarded Honours.
- For candidate in Honours Course securing 'B' Grade and above in aggregate in first appearance in other than Core papers will be awarded Distinction.
- For candidates in Pass (General) course securing 'B' Grade and above in aggregate in first appearance in all papers will be awarded Distinction.
- FAIL/MP/HARD CASE and Back Paper Clearance candidates in any Semester Examination are not eligible for award of Distinction.

7.2 A student's level of competence shall be categorized by a GRADE POINT AVERAGE to be specified as :

SGPA- Semester Grade Point Average

CGPA- Cumulative Grade Point Average

(a) POINT - Integer equivalent of each letter grade

(b) CREDIT -Integer signifying the relative emphasis of individual course item(s) in a semester as indicated by the Course structure and syllabus.

CREDIT POINT: (b) x (a) for each course item

CREDIT INDEX: $\sum CREDIT POINT$ of course items in each Semester

GRADE POINT AVERAGE = $\frac{\sum CREDIT INDEX}{CREDIT}$

SEMESTER GRADE POINT AVERAGE (SGPA) = $\frac{\sum CREDIT INDEX}{CREDIT}$ for each Semester

CUMULATIVE GRADE POINT AVERAGE (CGPA) = $\frac{\sum CREDIT INDEX}{CREDIT}$ of all previous Semesters up to the 6th Semester

7.3 Paper Type, Subject, Credit, Grade, SGPA & CGPA in the last semester Result shall be reflected in the Grade Sheet.

7.4 The details of grading system shall be printed on the backside of University Mark-sheet.

7.5 Formula for Equivalent Percentage of Marks:

This University follows seven point grading system Cumulative Grade Point Average (CGPA) on base of 10 and the University does not award marks, nor class/division to a student at the semester or degree level as per Academic Regulation of the University.

The following formula may be used by the concerned organization/individual at their discretion to obtain the equivalent percentage of marks for the CGPA awarded to the students of this University.

$$\text{Equivalent Percentage of Mark} = (\text{CGPA} - 0.50) \times 10$$

8. REPEAT EXAMINATION:

8.1 A student has to clear back paper(s) (if failed) by appearing at subsequent respective semester examinations within six years from the year/session of admission.

8.2 A student may appear in improvement (having passed in that paper) in any number of papers ONLY ONCE in the subsequent corresponding semester examination within four years.

9. EXAMINATION QUESTION PATTERN

9.1 The duration of end semester examination as reflected in Sl. No.5 above.

9.2 For subject without having practical full marks are 100 per paper out of which 20 marks are allotted for Mid-Semester Examination (Internal) and 80 marks for end semester examination.

- The question papers shall be divided into two parts such as Group- A & Group-B.
- Group- A will carry 10 short questions of two marks each .The answer should be within two sentences maximum,
- There shall be 5 long type questions in Group —B with one alternative each have to be attempted and all questions shall be of equal value (5X 12 marks).

9.3 For subject with practical full marks are 100 per paper out of which 20 marks is allotted for Mid-Semester Examination, 50 marks is for End Semester Examination and 30 marks is for practical.

- The question papers shall be divided into two parts such as Group- A & Group-B. • Group- A will carry 10 short questions of one mark each. The answer should be within two sentences.
- There shall be 5 long-type questions with one alternative each have to be attempted for subjects having practical. The questions shall be of equal value (5 x 8Marks)
- Practical will carry 30 marks out of which 10 will be for records.

- 9.4 Suitable modifications may be made by the Autonomous Colleges keeping in view the UGC Guideline for Autonomous Colleges, University Guidelines from time to time and State Govt. Guidelines from time to time.

10. MINIMUM PERCENTAGE AND MARKS TO BE OBTAINED FOR PASS

1. Paper Without Practical:

Mid Term	Term End	Pass Mark Term End	Total	Paper Pass Mark
20	80	33% out of 80 (i.e. 26 marks)	100	33% out of 100 By taking both components (i.e. Mid Term + End Term Exam)

- Term End (University Examinations) Total Mark: 80, 33% out of 80 (i.e. 26 Mark)
- Total Mark: 100 (33% out of 100)
- No Pass mark for Mid Term Exam. A student has to appear the Mid Term Exam. Securing 'AB' in Mid Term Exam student declare fail in that paper though he/she score passing mark in theory paper.

2. Paper With Practical :

Mid Term	Term End			Total	Paper Pass Mark	
	Theory	Pass Mark Theory	Practical			
20	50	33% out of 50(i.e. 17 marks)	30	40% out of 30 (i.e. 12 marks)	100	33% out of 100 By taking both components (i.e. Mid Term + End Term Exam + Practical)

- Term End (University Examinations) Total Mark: 50, 33% out of total Mark (i.e. 17 Mark)
- Minimum pass mark for practical paper is 40%
- Total Mark: 100 (33% out of 100)
- No Pass mark for Mid Term Exam. A student has to appear the Mid Term Exam. Securing 'AB' in Mid Term Exam student declare fail in that paper though he/she score passing mark in theory paper.

NB : In order to clear a semester Examination a candidate is required to pass in all Theory & Practical papers / Project component of the said Semester.

11. DISCIPLINARY ACTION (UNFAIR MEANS IN EXAMINATIONS)

- 11.1 A student found resorting to malpractice (unfair means adopted) in the examination hall during University Examination as reported by the Invigilator/Supervisor/Squad Member

- Will be awarded "M" grade having O(zero) Grade Point in that paper and he/she will be warned by the University with a copy to the parents/guardians or a notice in the official website of the University.
- 11.2 A student adopting malpractice and showing an indiscipline behavior in the examination hall
- Will be awarded "M" grade having O(zero) Grade Point in that paper and he/she will be warned by the University with a copy to the parents/guardians or a notice in the official website of the University.
- 11.3 A student found adopting malpractice in more than one papers in a Semester/Trimester/Special Examination
- Will be awarded "M" Grade with 0 (zero) Grade Point in all the papers of that Semester/Trimester/Special Examination; he/she will be warned by the University with a copy to the parents/guardians or a notice in the official website of the University.
- 11.4 A student adopting malpractice (as defined in earlier clauses) once again in the subsequent semester examinations inspite of the warning issued previously
- Will be awarded "M" grade having O(zero) Grade Point in all the papers of that examination and will be expelled from the college for one year
- 11.5 A student found violating the Examination Code of Conduct
- Which includes:
- Use of programmable calculators, mobile phones/smart watch (even in switch off mode), document or any electronic devices having memory chips.
 - Leaving the Examination Hall within the first hour from the commencement of the examination.
 - Talking to other examinees in the Examination Hall.
Trying to give any help to others or trying to seek any help from others inside or outside the Examination Hall.
 - Will be expelled from the Examination in that paper and will be awarded "M" grade having O(zero) Grade Point in that paper; he/she will be warned by the university with a copy to the parents/guardians or a notice in the official website of the University.
 - A student found repeating the "Violation of Code of Conduct" will be awarded "M" grade with O(zero) Grade Point in all the papers of that semester and will not be permitted to appear at the subsequent examinations of that semester.
- 11.6 A student indulging in the misconduct in the examination hall. Which includes:
- Using question papers and/or answer scripts for communicating with fellow examinee.
 - Exchange of question papers and answer scripts (with other examinees/outside).
 - Writing answers in question papers.
 - Writing obscene or filthy languages in answer scripts.
 - Writing derogatory remarks.
 - And taking away the answer scripts or any examination materials/papers to the outside of the examination hall without intimation/permission from the concerned authority of the examination.

- Any remarks, requests or irrelevant issues in answer scripts.
 - Will be awarded "M" grade having O(zero) Grade Point in all the papers of that examination and will be expelled from the college for one year.
- 11.7 Any student found man-handling/threatening the officers/staff connected with the officers/staff connected with the examinations (Invigilator, Centre Superintendent, Supervisors, Principal, Members of Flying squad, etc.)
- Will be awarded "M" grade having O(zero) Grade Point in all the papers of that Examination and will be expelled from the college for one year.
 - Other disciplinary actions as deemed fit (including FIR to police) would be initiated by the University/college.
- 11.8 Any student found damaging the property of the staff/officers/institution connected with the examinations
- Will be awarded "M" grade having O(zero) Grade point in all the paper of that Examination and will be expelled from the college for one year.
 - Will be obliged to provide compensation for the damage as assessed by the college/University or individual as the case may be.

12. RE-TOTALLING/RE-CHECKING AT UN-EVALUATED PORTION:

12.1 A Student may apply through his/her college for Re-totalling/Re-Checking of a paper within 45 calendar days from the date of publication of the results in each Semester.

12.2 **There will be no re-evaluation processes of the answer scripts.**

13. GRADE SHEET:

At the end of 6 (six) Semester, a Grade sheet shall be made available to each student as per Clause 8.1

14. DUPLICATE UNIVERSITY REGISTRATION CARD:

A student is issued University Registration Card at the time of admission. University Registration number continues to be his/her Registration number for all examinations during his/her tenure of study. This card is also essential for admission of the student to a college and his/her eligibility to attend classes in a college. This is an IMPORTANT document and the student must possess it throughout his/her course at the University.

In the event of a student losing his/her University Registration Card, he/she should immediately lodge a FIR in the nearest Police Station. He/ She should apply through the College for issue of duplicate Registration Card with a prescribed fee. The application form will be available in the University counter. The application form must accompany a copy of FIR and prescribed fee and the same should be sent to the Controller of Examination, Utkal University by Speed Post/Registered Post.

15. ELIGIBILITY FOR AWARD OF DEGREE

A candidate will be eligible for award of BA/B.Sc./B.Com degree if he/she satisfies all the following conditions:

- Has cleared (minimum pass grade) in all subjects and obtained requisite number of credit points in all Semesters.
- Has secured a minimum Cumulative Grade Point Average.

UTKAL UNIVERSITY

SYLLABUS FOR ARTS(HONS/PASS) CHOICE BASED CREDIT SYSTEM FOR UNDER GRADUATE PROGRAMME FOR AFFILIATED COLLEGES UNDER UTKAL UNIVERSITY W.E.F. ADMISSION BATCH 2016-2017

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Regulation for Under Graduate Programme (BA/B.Com/B.Sc- Honours/Regular) under CBCS Pattern of Utkal University w. e. f. Admission Batch (2016-2017) for Affiliated Colleges

(Applicable to Autonomous Colleges/ Affiliated Colleges/DDCE)

1. ELIGIBILITY

- 1.1. Higher Secondary / +2 / Senior Secondary or any other equivalent examination passed from any Board / Council established by the Govt. of India or any State Govt. or any other equivalent examination recognized by Central Board of Secondary Education/ Council of Higher Secondary Education, Govt. of Odisha/ Dept of Higher Education / Dept. of Industry or any other Dept of Govt. of Odisha or Utkal University. Those joining B.Sc. Programme must have passed the above examination under the faculty of Science/ Technology / Engineering/ Pharmacy etc. There shall be no such restriction for joining BA/ B.Com stream.
- 1.2. Students ordinarily may be selected for admission through Entrance Test, Group Discussion and Personal Interview and / or a combination of these with due weightages to career to be decided by the Autonomous College or Director, Higher Education. DDCE would admit students on first come first serve basis. The Govt. of Odisha may lay down admission process for colleges under its control.
- 1.3. Admission Policy would be decided by the Academic Council of the respective Autonomous Colleges and for affiliated colleges Government will decide the admission policy.
- 1.4. Directorate of Distance & Continuing Education would decide its own admission policy.

2. DURATION

- 2.1 At least three years of six semesters in toto. In case of professional courses the duration may be more as per the direction of regulatory bodies established under Law.
- 2.2 Odd semester is from June to December (i.e., 1st, 3rd & 5th semester).
The examination shall be held normally in the month of November - December.
- 2.3 Even semester is from January to June (i.e., 2nd, 4th & 6th semester).
The examination shall be held normally in the month of May - June. However the Final Semester shall be conducted in April and result shall be published by end of May.
- 2.4 A student would be required to complete the course within six academic years from the date of admission.
- 2.5 A student may opt for fast track of completing all the six semesters in two years provided she/he has at least 2 (two) years industry / organizational experience after +2. Such permission would be granted at the discretion of the Principal of the Autonomous Colleges and DDCE. This clause shall not be applicable to affiliated, non autonomous colleges.

3. Compulsory Registration for 1st Semester:

- Registration for 1st semester is compulsory. A candidate admitted to +3 Courses but not registered for 1st semester examination, his/her admission will be automatically cancelled.
- A candidate may take a blank Semester: A blank Semester has to be clubbed with next Odd or Even Semester as the case may be i.e. 2nd, 4th and 6th / 1st, 3rd and 5th. The Hostel policy for blank semester is to be decided by colleges as per their suitability. Hostel accommodation cannot be claimed as a right for a blank semester. (Blank semester is not to be confused as repetition due to failure).

- 75% attendance for non DDCE students is a requirement for being eligible to appear at Examination Up to 15% waiver may be granted by the College Principal at discretion on Health Ground or participation in sports , cultural activities, NCC and NSS activities etc.
- A student may clear backlog papers within 6 years. Improvement if any has to be completed within 4 years.
- A student may register for extra credit i.e. register for additional papers under the same faculty or outside the faculty under an autonomous college or DDCE provided they are in a position to facilitate such teaching.

4. WEIGHTAGE DISTRIBUTION (PERCENTAGE) FOR EVALUATION:

Theory Subjects

Mid Term Test-I	Mid Term Test-II	Term End	Total
10	10	80	100

Subjects with Practical

Unit Test-I	Unit Test-II	Term End		Total
		A-Theory	B-Practical	
10	10	50	30(20+10-Record)	100

Dissertation/ Project

Identification of problem	Review of Literature	Methodology	Findings	Analysis	Viva-voce	Total
10	10	10	25	25	20	100

For the DDCE unit tests, quizzes, presentation, seminar etc. may not be introduced immediately.

5. GRADING SYSTEM

Grade		Mark Secured from 100	Grade Points
Outstanding	'O'	90-100	10
Excellent	'A+'	80-89	9
Very Good	'A'	70-79	8
Good	'B+'	60-69	7
Above average	'B'	50-59	6
Fair	'C'	40-49	5
Pass	'D'	30-39	4
Failed	'F'	Below 30	

N.B. A Candidate has to secure 30% or above to pass in each of the Papers.

- The candidate obtaining Grade-F is considered failed and will be required to clear the back paper(s) in the subsequent examinations within the stipulated time.
- The candidate securing 'B' Grade and above in Core/Honours papers in aggregate will be awarded Honours.
- The candidate securing 'B+' Grade and above in aggregate in first appearance will be awarded Honours with Distinction/Distinction (for pass/regular course).
- Any candidate filling the forms for appearing in back papers/improvement shall not be awarded Distinction.

- 5.2 A transitory letter grade I (carrying points 2) shall be introduced for cases where the results are incomplete. This grade shall automatically be converted into appropriate grade(s) as and when the results are complete.
- 5.3 A student's level of competence shall be categorized by a GRADE POINT AVERAGE to be specified as :

SGPA - Semestre Grade Point Average

CGPA - Cumulative Grade Point Average

- (a) **POINT** - Integer equivalent of each letter grade
- (b) **CREDIT** - Integer signifying the relative emphasis of individual course item(s) in a semester as indicated by the Course structure and syllabus.

CREDIT POINT - (b) X (a) for each course item

CREDIT INDEX - Σ **CREDIT POINT** of course items

GRADE POINT AVERAGE - $\frac{\text{CREDIT INDEX}}{\Sigma \text{CREDIT}}$

SEMESTER GRADE POINT AVERAGE (SGPA) = $\frac{\text{CREDIT INDEX}}{\Sigma \text{CREDIT}}$ for a Semester

CUMULATIVE GRADE POINT AVERAGE (CGPA) =

$\frac{\text{CREDIT INDEX of all previous Semester up to the 6}^{\text{th}} \text{ Semester}}{\Sigma \text{CREDIT}}$

- 5.4 In addition to the points marks/ percentage would also be awarded and shall also be reflected in the Mark Sheet.
- 5.5 The details of grading system shall be printed on the backside of University Mark-sheet.

6. REPEAT EXAMINATION

- 6.1 A student has to clear back papers (i.e., in the paper/papers one has failed) by appearing at subsequent semester examinations within six years from the date of admission.
- 6.2 A student may appear improvement (repeat) in any number of papers in the immediate subsequent examination. The higher marks shall be retained.
- 6.3 Improvement has to be completed with 4-Yrs from the date of admission.

7. HARD CASE RULE

- 7.1 2% of grace mark on the aggregate mark subject to maximum of 5 (five) marks in single paper shall be given. This shall be applicable in each semester.
- 7.2 0.5 (point five percent) grace mark can be given for award of B Grade in each semester provided grace mark under 7.1 has not been awarded.

8. EXAMINATION QUESTION PATTERN (SUGGESTIVE)

8.1 The end semester examination will be of three hours irrespective of marks.

8.2 **For subject without having practical** full marks are 100 per paper out of which 20 marks is allotted for Mid-Semester Examination (Internal) and 80 marks for end semester examination.

The question papers shall be divided into two parts such as Group- A & Group-B.

Group- A will carry 10 short questions of two marks each .The answer should be within two sentences.

There shall be 5 long type questions in Group –B with one alternative each have to be attempted and all questions shall be of equal value (12 marks X 5).

For subject with practical full marks are 100 per paper out of which 20 marks is allotted for Mid- Semester Examination, 50 is for End Semester Examination and 30 is for practical .

The question papers shall be divided into two parts such as Group- A & Group-B.

Group- A will carry 10 short questions of one mark each. The answer should be within two sentences.

There shall be 5 long-type questions with one alternative each have to be attempted for subjects having practical. The questions shall be of equal value (8 Marks x 5)

Practical will carry 30 marks out of which 10 will be for records.

a. Model answers for long questions should be between 700 - 1000 words.

9. Each Dept shall have a designated Teacher in-charge of Examination to be decided by the Principal in addition to the Controller of Examinations of the College (applicable to autonomous colleges).

10. The Internal Evaluation would be the sole responsibility of Teacher offering the course.

11. Suitable modifications may be made by the Autonomous Colleges keeping in view the UGC Guideline for Autonomous Colleges, University Guidelines from time to time and State Govt. Guidelines from time to time.

BROAD PRINCIPLES OF CREDIT TRANSFER

➤ There should be a small group to consider all cases of credit transfer . The group should consists of the following

Chairman - Chairman P.G Council (for University affiliated colleges) /
Director, DDCE for DDCE/ Principals of the Autonomous College/Controller
of Examinations, Utkal University.

Convener - Dy. Controller of Examination for University affiliated colleges
Faculty member of DDCE for DDCE, Controller of Examination of respective
Autonomous colleges for autonomous colleges.

Members - Four teachers to be nominated by the Chairman, P.G. Council/ Director,

DDCE/ Principal of Autonomous Colleges as the case may be.

Waiver for courses covered under other colleges notwithstanding differences in detailed course can be granted. Papers which one has not studied even though they are prescribed for earlier semesters can be covered by the students.

- **OTHER BROAD PRINCIPLES:**

Student transferred after 1st semester examination cannot be given position or medal under autonomous colleges. Students who have failed / remained absent / appeared for improvement shall not be eligible for University Gold medal or Rank. Students who have been granted credit waiver under credit transfer system can't be awarded Gold medal or position.

COURSE STRUCTURE

DETAILS OF COURSES UNDER B.A.(HONOURS)

Course	*Credits	
	Theory+ Practical	Theory + Tutorial
<hr style="border-top: 1px dashed black;"/>		
<u>I. Core Course (6 Credits)</u>		
(14 Papers)	14X4= 56	14X5=70
Core Course Practical / Tutorial*		
(14 Papers)	14X2=28	14X1=14
<u>II. Elective Course (6 Credits)</u>		
(8 Papers)		
A.1. Discipline Specific Elective (4 Papers)	4X4=16	4X5=20
A.2. Discipline Specific Elective Practical / Tutorials* (4 Papers)	4 X 2=8	4X1=4
B.1. Generic Elective/Interdisciplinary (4 Papers)	4X4=16	4X5=20
B.2. Generic Elective Practical / Tutorials* (4 Papers)	4 X 2=8	4X1=4
□ Optional Dissertation or project work in place of one Discipline Specific elective paper (6 credits) in 6th Semester		

III. Ability Enhancement Courses

1. Ability Enhancement Compulsory Courses (AECC)

(2 Papers of 4 credits each) 2 X 4=8 2 X 4=8 Environmental Science

English/Hindi/MIL Communication

2. Skill Enhancement Courses (SEC)

(Minimum 2, Max. 4)

2 X 4=8

2 X 4=8

(2 Papers of 2 credits each)

Total credit= 148 Total credit= 148

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.**

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN BA(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	Environmental Science			GE-1
	C 2				
II	C 3	MIL Communication (Odia/Hindi)			GE-2
	C 4				
III	C 5		SEC -1(English Communication)		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	

DETAILS OF COURSES UNDER B.A (REGULAR/PASS)

Course	*Credits	
	Paper+ Practical	Paper + Tutorial
<u>I. Core Course (6 Credits)</u>		
(12 Papers)	12X4= 48	12X5=60
Two papers – English		
Two papers – Hindi/MIL		
Four papers – Discipline 1.		
Four papers – Discipline 2.		
Core Course Practical / Tutorial*	12X2=24	12X1=12
(12 Practicals)		
<u>II. Elective Course (6 Credits)</u>		
(6 Papers)	6x4=24	6X5=30
Two papers- Discipline 1 specific		
Two papers- Discipline 2 specific		
Two papers- Inter disciplinary		
Two papers from each discipline of choice and two papers of interdisciplinary nature.		
Elective Course Practical / Tutorials*	6 X 2=12	6X1=6
(6 Practical/ Tutorials*)		
Two papers- Discipline 1 specific		
Two papers- Discipline 2 specific		
Two papers- Generic (Inter disciplinary)		
Two papers from each discipline of choice including papers of interdisciplinary nature.		
<input type="checkbox"/> Optional Dissertation or project work in place of one elective paper (6 credits) in 6th Semester		
<u>III. Ability Enhancement Courses</u>		
1. Ability Enhancement Compulsory Courses (AECC)		
(2 Papers of 4 credits each)	2 X 4=8	2 X 4=8
Environmental Science		
English/Hindi/MIL Communication		
2. Skill Enhancement Courses (SEC)	4 X 4=16	4 X 4=16
(4 Papers of 4 credits each)		
	Total credit= 132	Total = 132

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.

SCHEME FOR CHOICE BASED CREDIT SYSTEM IN B.A.REGULAR/PASS)

	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/Hindi/Odia MIL-1	Environmental Science			
	DSC- 1 A				
	DSC- 2 A				
II	Hindi/MIL/ English-1	MIL Communication (Odia/Hindi)			
	DSC- 1 B				
	DSC- 2 B				
III	English/Hindi/Odia MIL-2		SEC -1 (English Communication)		
	DSC- 1 C				
	DSC- 2 C				
IV	Hindi/MIL/ Odia English-2		SEC -2		
	DSC- 1 D				
	DSC- 2 D				
V			SEC -3	DSE-1 A DSE-2 A	GE-1
VI			SEC -4	DSE-1 B DSE-2 B	GE-2

B. Com. (Hons.): Three-Year (6-Semester) CBCS Programme

Course Structure		
Semester I		
BCH-1.1	Environmental Studies	Ability-Enhancement Compulsory Course (AECC)-1
BCH-1.2	Financial Accounting	Core Course C-1
BCH-1.3	Business Law	Core Course C-2
BCH-1.4	Micro Economics	Generic Elective (GE)-1
Semester II		
BCH-2.1	Business Communication (Language-English/Hindi/MIL)	Ability-Enhancement Compulsory Course (AECC)-2
BCH-2.2	Corporate Accounting	Core Course C-3
BCH-2.3	Corporate Laws	Core Course C-4
BCH-2.4	Macro Economics	Generic Elective (GE)-2
Semester III		
BCH-3.1	Human Resource Management	Core Course C-5
BCH-3.2	Income-tax Law and Practice	Core Course C-6
BCH-3.3	Management Principles and Applications	Core Course C-7
BCH-3.4	Business Statistics	Generic Elective (GE)-3
BCH-3.5	E-Commerce	Skill-Enhancement Elective Course (SEC)-1
Semester IV		
BCH-4.1	Cost Accounting	Core Course C-8
BCH-4.2	Business Mathematics	Core Course C-9
BCH-4.3	Computer Applications in Business	Core Course C-10
BCH-4.4	Indian Economy	Generic Elective (GE)-4
BCH-4.5	Entrepreneurship	Skill-Enhancement Elective Course (SEC)-2

B.Com (Hons.) CBCS

	Semester V	
BCH-5.1	Principles of Marketing	Core Course C-11
BCH-5.2	Fundamentals of Financial Management	Core Course C-12
BCH-5.3	DSE-1 (Any one of Group A)	Discipline Specific Elective (DSE)-1
BCH-5.4	DSE-2 (Any one of Group A)	Discipline Specific Elective (DSE)-2
	Discipline Specific Elective (DSE) Group A	
	a. Management Accounting	
	b. Corporate Tax Planning	
	c. Advertising	
	d. Banking and Insurance	
	e. Computerised Accounting System	
	f. Financial Markets, Institutions and Financial Services	
	Semester VI	
BCH-6.1	Auditing and Corporate Governance	Core Course C-13
BCH-6.2	Indirect Tax Law	Core Course C-14
BCH-6.3	DSE-3 (Any one of Group B)	Discipline Specific Elective (DSE)-3
BCH-6.4	DSE-4 (Any one of Group B)	Discipline Specific Elective (DSE)-4
	Discipline Specific Elective (DSE) Group B	
	a. Fundamentals of Investment	
	b. Consumer Affairs and Customer Care	
	c. Business Tax Procedures and Management	
	d. International Business	
	e. Industrial Relations and Labour Laws	
	f. Business Research Methods and Project Work	

Notes:

1. For Practical Lab based
 - a. Core Courses BCH 1.2 (Financial Accounting), BCH 3.2 (Income-tax Law and Practice), BCH 3.4 (Business Statistics), BCH 4.2 (Business Mathematics), and BCH 5.2 (Fundamentals of Financial Management) there shall be 4 Credit Hrs. for Lectures + one Credit hr. (Two Practical Periods per week per batch) for Practical Lab + one credit Hr for Tutorials (per group)
 - b. Core Courses BCH 4.3 (Computer Applications in Business) and Discipline Specific Elective BCH Group A (e) (Computerised Accounting System), there shall be 4 Credit Hrs. for Lectures + Two Credit hrs. (4 Practical Periods per week per batch) for Practical Lab
 - c. Skill Enhancement Elective Course BCH 3.5(E-Commerce), there shall be 3 Credit Hrs. for Lectures + One Credit hrs. (2 Practical Periods per week per batch) for Practical Lab
2. For other core and elective papers, there shall be 5 lectures and one Tutorial (per batch)

B. Com. (Hons.): Three-Year (6-Semester) CBCS Programme

Basic Structure: Distribution of Courses

1	Ability Enhancement Compulsory Course (AECC)	2 Papers of 2 Credit Hrs. each (Total Credit Hrs. 2X2)	4
2	Skill Enhancement Elective Course (SEC)	2 Papers of 4 Credit Hrs. each (Total Credit Hrs. 2X4)	8
3	CORE COURSE	14 Papers of 6 Credit Hrs. each (Total Credit Hrs. 14X6) (5 Lectures and 1 Tutorial)	84
4	Discipline Specific Elective (DSE)	4 Papers of 6 Credit Hrs. each (Total Credit Hrs. 4X6) (5 Lectures and 1 Tutorial)	24
5	Generic Elective (GE)	4 Papers of 6 Credit Hrs. each (Total Credit Hrs. 4X6) (5 Lectures and 1 Tutorial)	24
	Total Credit Hrs		144

- 1 **Ideal Lecture Class size 40 to 50 students**
- 2 **Ideal Tutorial group Size :- 10-12 students**
- 3 **Ideal Laboratory Practical Batch Size 15-20 Students**

UTKAL UNIVERSITY

REGULATIONS & SYLLABUS

UNDER GRADUATE PROGRAMME IN BACHELOR OF SCIENCE (HONOURS & PASS)-CBCS PATTERN

Effective from Admission Batch: 2016 – 2017

(Applicable to Autonomous Colleges/Affiliated Colleges/DDCE)

1. Eligibility

- 1.1 Higher Secondary/+2/ Senior Secondary or any other equivalent examination passed from any Board/Council established by the Govt. of India or any State Govt. or any other equivalent examination recognized by Central Board of Secondary Education/Council of Higher Secondary Education, Govt. of Odisha/Dept of Higher Education/Dept. of Industry or any other Dept of Govt. of Odisha or Utkal University. Those joining B.Sc. Programme must have passed the above examination under the faculty of Science/Technology/Engineering/Pharmacy etc. There shall be no such restriction for joining BA/ B.Com stream.
- 1.2 Students ordinarily may be selected for admission through Entrance Test, Group Discussion and Personal Interview and/or a combination of these with due weighage to career to be decided by the Autonomous College or Director, Higher Education. DDCE would admit students on first come first serve basis. The Govt. of Odisha may lay down admission process for colleges under its control.
- 1.3 Admission Policy would be decided by the Academic Council of the respective Autonomous Colleges and for affiliated colleges Government will decide the admission policy.
- 1.4 Directorate of Distance & Continuing Education would decide its own admission policy.

2. Duration

- 2.1 At least three years of six semesters in toto. In case of professional courses the duration may be more as per the direction of regulatory bodies established under Law.
- 2.2 Odd semester is from June to December (i.e., Sem.-I, Sem.-III & Sem.-V semester). The examination shall be held normally in the month of November - December.
- 2.3 Even semester is from January to June (i.e., Sem.-II, Sem.-IV & Sem.-VI semester). The examination shall be held normally in the month of May - June. However the Final Semester shall be conducted in April and result shall be published by end of May.
- 2.4 A student would be required to complete the course within six academic years from the date of admission.

2.5 A student may opt for fast track of completing all the six semesters in two years provided she/he has at least 2(two) years industry/organizational experience after +2. Such permission would be granted at the discretion of the Principal of the Autonomous Colleges and DDCE. This clause shall not be applicable to affiliated, non autonomous colleges.

3. Compulsory Registration in Semester-I

3.1 Registration for Semester-I is compulsory. A candidate admitted to +3 Courses but not registered for 1st semester examination, his/her admission will be automatically cancelled.

3.2 A candidate may take a blank Semester: A blank Semester has to be clubbed with next Odd or Even Semester as the case may be i.e. Sem.-II, Sem.-IV and Sem.-VI/Sem.-I, Sem.-III and Sem.-V. The Hostel policy for blank semester is to be decided by colleges as per their suitability. Hostel accommodation cannot be claimed as a right for a blank semester. (Blank semester is not to be confused as repetition due to failure).

3.3 75% attendance for non DDCE students is a requirement for being eligible to appear at Examination Up to 15% waiver may be granted by the College Principal at discretion on Health Ground or participation in sports , cultural activities, NCC and NSS activities etc.

3.4 A student may clear backlog papers within 6 years. Improvement if any has to be completed within 4 years.

3.5 A student may register for extra credit i.e. register for additional papers under the same faculty or outside the faculty under an autonomous college or DDCE provided they are in a position to facilitate such teaching.

4. Weightage Distribution (Percentage) for Evaluation

• Theory Subjects

Mid Term Test-I	Mid Term Test-II	End Term Test	Total
10	10	80	100

• Subjects with Practical

Unit Test-I	Unit Test-II	End Term Test	Total
		A-Theory B-Practical	
10	10	A-50 B-30(20+10-Record)	100

• Dissertation/Project Work

Identification of problem	Review of Literature	Methodology	Findings	Analysis	Viva-Voce	Total
10	10	10	25	25	20	100

Note: For the DDCE unit tests, quizzes, presentation, seminar etc. may not be introduced immediately.

5. Grading System

5.1

<u>Grade</u>		<u>Marks secured out of 100</u>	<u>Grade points</u>
Outstanding	'O'	90 – 100	10
Excellent	'A+'	80 – 89	9
Very Good	'A'	70 – 79	8
Good	'B+'	60 – 69	7
Above average	'B'	50 – 59	6
Fair	'C'	40 – 49	5
Pass	'D'	30 – 39	4
Failed	'F'	Below 30	0

NOTE:

- A Candidate has to secure 30% or above to pass in each of the Papers.
- The candidate obtaining Grade-*F* is considered failed and will be required to clear the back paper(s) in the subsequent examinations within the stipulated time.
- The candidate securing Grade-*B* and above in Core/Honours papers in aggregate will be awarded Honours.
- The candidate securing Grade-*B +* and above in aggregate in first appearance will be awarded Honours with Distinction/Distinction(for pass/regular course).
- Any candidate filling the forms for appearing in back papers/improvement shall not be awarded Distinction.

5.2 A transitory letter Grade-I (carrying points 2) shall be introduced for cases where the results are incomplete. This grade shall automatically be converted into appropriate grade(s) as and when the results are complete.

5.3 A student's level of competence shall be categorized by a **GRADE POINT AVERAGE** to be specified as:

SGPA: Semester Grade Point Average

CGPA: Cumulative Grade Point Average

(a) **POINT:** Integer equivalent of each letter grade.

(b) **CREDIT:** Integer signifying the relative emphasis of individual course item(s) in a semester as indicated by the Course structure and syllabus.

CREDIT POINT: $(b) \times (a)$ for each course item.

CREDIT INDEX: \sum CREDIT POINT of course items.

GRADE POINT AVERAGE: $\frac{\text{CREDIT INDEX}}{\sum \text{CREDIT}}$.

$$\text{SEMESTER GRADE POINT AVERAGE(SGPA)} = \frac{\text{CREDIT INDEX for a semester}}{\sum \text{CREDIT}}$$

$$\text{CUMULATIVE GRADE POINT AVERAGE(CGPA)} = \frac{\text{CREDIT INDEX of all previous Semester up to the 6th semester}}{\sum \text{CREDIT}}$$

5.4 In addition to the points marks/ percentage would also be awarded and shall also be reflected in the Mark Sheet.

5.5 The details of grading system shall be printed on the backside of University Mark-sheet.

6. Repeat Examination

6.1 A student has to clear back papers (i.e., in the paper/papers one has failed) by appearing at subsequent semester examinations within six years from the date of admission.

6.2 A student may appear improvement (repeat) in any number of papers in the immediate subsequent examination. The higher marks shall be retained.

6.3 Improvement has to be completed with 4-yrs. from the date of admission.

7. Hard case Rule

7.1 2% of grace mark on the aggregate mark subject to maximum of 5(five) marks in single paper shall be given. This shall be applicable in each semester.

7.2 0.5(point five percent) grace mark can be given for award of B Grade in each semester provided grace mark under 7.1 has not been awarded.

8. Examination Question Pattern(Suggestive)

8.1 The end semester examination will be of three hours irrespective of marks.

8.2 For subject without having practical full marks are 100 per paper out of which 20 marks is allotted for Mid-Semester Examination (Internal) and 80 marks for end semester examination.

The question papers shall be divided into two parts such as Group-A & Group-B.

Group-A will carry 10 short questions of two marks each .The answer should be within two sentences.

There shall be 5 long type questions in GroupB with one alternative each have to be attempted and all questions shall be of equal value (12 marks ×5).

For subject with practical full marks are 100 per paper out of which 20 marks is allotted for Mid- Semester Examination, 50 is for End Semester Examination and 30 is for practical.

The question papers shall be divided into two parts such as Group-A & Group-B.

Group-A will carry 10 short questions of one mark each. The answer should be within two sentences.

There shall be 5 long-type questions with one alternative each have to be attempted for subjects having practical. The questions shall be of equal value (8 Marks ×5).

Practical will carry 30 marks out of which 10 will be for records.

8.3 Model answers for long questions should be between 700 – 1000 words.

9. Each Department shall have a designated Teacher in-charge of Examination to be decided by the Principal in addition to the Controller of Examinations of the College (applicable to autonomous colleges).

10. The Internal Evaluation would be the sole responsibility of Teacher offering the course.

11. Suitable modifications may be made by the Autonomous Colleges keeping in view the UGC guideline for Autonomous Colleges, University guidelines from time to time and State Govt. guidelines from time to time.

12. Broad Principles of Credit Transfer

There should be a small group to consider all cases of credit transfer. The group should consists of the following:

Chairman: Chairman P.G Council (for University affiliated colleges)/Director, DDCE for DDCE/Principals of the Autonomous College/Controller of Examinations, Utkal University.

Convener: Dy. Controller of Examinations for University affiliated colleges/Faculty member of DDCE for DDCE/Controller of Examinations of respective Autonomous colleges for Autonomous colleges.

Members: Four teachers to be nominated by the Chairman, P.G. Council/Director, DDCE/Principal of Autonomous Colleges as the case may be.

Waiver for courses covered under other colleges not withstanding differences in detailed course can be granted . Papers which one has not studied even though they are prescribed for earlier semesters can be covered by the students .

Other Broad Principles: Student transferred after Semester-I examination cannot be given position or medal under autonomous colleges. Students who have failed/ remained absent/ appeared for improvement shall not be eligible for University Gold medal or Rank. Students who have been granted credit waiver under credit transfer system cannot be awarded Gold medal or position.

DETAILS OF COURSES UNDER BACHELOR OF SCIENCE(HONOURS)

Course	Theory+Practical	Theory + Tutorial
I. Core Course (6 Credits) (14 Papers)	$14 \times 4 = 56$	$14 \times 5 = 70$
Core Course Practical / Tutorial* (14 Papers)	$14 \times 2 = 28$	$14 \times 1 = 14$
II. Elective Course (6 Credits) (8 Papers)		
A.1. Discipline Specific Elective (4 Papers)	$4 \times 4 = 16$	$4 \times 5 = 20$
A.2. Discipline Specific Elective Practical/ Tutorial* (4 Papers)	$4 \times 2 = 8$	$4 \times 1 = 4$
B.1. Generic Elective/Interdis- ciplinary (4 Papers)	$4 \times 4 = 16$	$4 \times 5 = 20$
B.2. Generic Elective, Practical/ Tutorials*(4 Papers)	$4 \times 2 = 8$	$4 \times 1 = 4$

- **Optional Dissertation or Project Work in place of one Discipline Specific elective paper (6 credits) in Semester-VI.**

III. Ability Enhancement Courses

1. Ability Enhancement Compulsory Courses(AECC)

(2 Papers of 4 credit each)	$2 \times 4 = 8$	$2 \times 4 = 8$
Environmental Science/English/ Hindi/MIL Communication		

2. Skill Enhancement Courses(SEC)

(Min.2)(2 Papers of 4 credit each)	$2 \times 4 = 8$	$2 \times 4 = 8$
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Total Credit	148	148
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- **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.**
- **For Generic Elective, there shall be two subjects other than the Core subject having two papers each.**

**SCHEME FOR CHOICE BASED CREDIT SYSTEM IN
B.Sc.(HONOURS)**

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

**DETAILS OF COURSES UNDER
BACHELOR OF SCIENCE(REGULAR/PASS)**

Course	Theory+Practical	Theory + Tutorial
I. Core Course (6 Credits) (12 Papers) (4 Courses from each of the 3 Disciplines of choice)	$12 \times 4 = 48$	$12 \times 5 = 60$
Core Course Practical / Tutorial* (12 Practical/Tutorials*) (4 Courses from each of the 3 Disciplines of choice)	$12 \times 2 = 24$	$12 \times 1 = 12$
II. Elective Course (6 Credits) (6 Papers) (Two papers from each discipline of choice including paper of interdisciplinary nature)	$6 \times 4 = 24$	$6 \times 5 = 30$
Elective Course Practical/Tutorials* (6 Practical/Tutorials*) (Two Papers from each Disciplines of choice including paper of interdisciplinary nature)	$6 \times 2 = 12$	$6 \times 1 = 6$
<ul style="list-style-type: none"> ● Optional Dissertation/Project Work in place of one Discipline elective paper (6 credits) in Semester-VI. 		
III. Ability Enhancement Courses		
1. Ability Enhancement Compulsory Courses(AECC)		
(2 Papers of 4 credit each) Environmental Science/English/ Hindi/MIL Communication	$2 \times 4 = 8$	$2 \times 4 = 8$
2. Skill Enhancement Courses(SEC)		
(4 Papers of 4 credit each)	$4 \times 4 = 16$	$4 \times 4 = 16$
<hr/>		
Total Credit	132	132

- 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.

**SCHEME FOR CHOICE BASED CREDIT SYSTEM
BACHELOR OF SCIENCE (REGULAR/ PASS)**

Semester	Core Course(12)	Ability Enhancement Compulsory Course (AECC)(2)	Skill Enhancement Course (SEC)(2)	Discipline Specific Elective (DSE)(6)
I	DSC-1A DSC-2A DSC-3A	Environmental Science		
II	DSC-1B DSC-2B DSC-3B	MIL Communication (Oriya/Hindi)		
III	DSC-1C DSC-2C DSC-3C		SEC-1(English Communication)	
IV	DSC-1D DSC-2D DSC-3D		SEC-2	
V			SEC-3	DSE-1A DSE-2A DSE-3A
VI			SEC-4	DSE-1B DSE-2B DSE-3B