

**SANJAY GANDHI INSTITUTE
OF ENGINEERING & TECHNOLOGY**

Ordinance

On

Choice Based Credit System (CBCS)

(Effective from Session 2016-2017)

for

Bachelor of Technology (B.Tech.) Program



NEHRU GRAM BHARATI VISHWAVIDYALAYA

KOTAWA-JAMUNIPUR-DUBAWAL

ALLAHABAD

Nehru Gram Bharati Vishwavidyalaya

SGIET Ordinance on CBCS

for

Bachelor of Technology (B.Tech.) Program (Effective from Session 2016-17)

*CHOICE BASED CREDIT SYSTEM (CBCS) ORDINANCE GOVERNING THE DEGREE
OF BACHELOR OF ENGINEERING / TECHNOLOGY*

CHOICE BASED CREDIT SYSTEM (CBCS):

The choice based credit system provides flexibility in designing curriculum and assigning credits based on the course content and hour of teaching. The choice based credit system provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective and open elective courses. The CBCS 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. The courses shall be evaluated on the grading system, which is considered to be better than the conventional marks system. It is necessary to introduce the grading system to make the uniformity among all technical institutions of 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 AICTE has formulated the guidelines to be followed.

DEFINITIONS OF KEY WORDS:

- (i) **University:** Nehru Gram Bharati Vishwavidyalaya (NGBV), Allahabad.
- (ii) **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- (iii) **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.
- (iv) **Choice Based Credit System (CBCS):** The CBCS provides choice for students to select from the prescribed courses (*core, elective and Foundation Courses*).
- (v) **Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree or certificate is prescribed in terms of number of credits to be earned by the students.
- (vi) **Programme:** An educational programme leading to award of a Degree.
- (vii) **Course:** Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weightage. The courses should define learning objectives and 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.
- (viii) **Branch:** Specialization or discipline of B.E./B.Tech. Degree Programme, like Civil Engineering, Agriculture Engineering, etc.

- (ix) **Letter Grade:** It is an index of the performance of students in a said course. Grades are denoted by letters A, B, C, D, E and F.
- (x) **Grade Point:** It is a numerical weightage allotted to each letter grade on a 10-point scale.
- (xi) **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.
- (xii) **Credit Point:** It is the product of grade point and number of credits for a course.
- (xiii) **Semester Grade Point Average (SGPA):** It is a measure of academic performance of student/s in a semester. It is the 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.
- (xiv) **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 earned 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.
- (xv) **First Attempt:** If a student has completed all formalities and become eligible to attend the examinations and has attended at least one subject of passing, such attempt (first sitting) shall be considered as first attempt.
- (xvi) **Transcript or Grade Card or Certificate:** Based on the grades earned, a grade sheet/certificate shall be issued to all the registered students at the end of every academic year. The grade sheet/certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of both semesters and CGPA earned till that academic year.

The CBCS provides choice for students to select from the prescribed courses. Sequencing Plan for the B.Tech. Degree Curriculum

Semesters

Course Coverage

| | |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------|
| I –II | Applied Science Courses and Common Engineering Courses for all Branches; Mandatory Courses |
| III-IV | Applied Sciences Courses (Common for all Branches) and Engineering Core Courses: Core/Elective |
| V-VI | Humanities and Mandatory Courses, Engineering Core & Electives Courses; Other Electives; Branch-wise Orientation |
| VII-VIII | Engineering Core & Electives Courses; Open Electives; Branch-wise Orientation Electives/Elective; Other Electives, Internship, Project work |

Credit Structure for Course Work

| Lectures (hrs/wk/Sem) | Tutorial (hrs/wk/Sem) | Lectures (hrs/wk/Sem) | Credits |
|-----------------------|-----------------------|-----------------------|---------|
| 3 | 1 | 0 | 4 |
| 2 | 1 | 0 | 3 |
| 0 | 1 | 0 | 1 |
| 0 | 0 | 2 | 1 |
| 0 | 0 | 3 | 2 |
| 0 | 1 | 3 | 3 |
| 0 | 1 | 2 | 2 |

1. ADMISSION:

- 1.1 Admission to B.Tech. first year in 1st semester and lateral admission in B.Tech. second year in 3rd semester (for diploma holder/B.Sc. candidates) will be made as per the rules prescribed by the Academic Council of the Nehru Gram Bharati Vishwavidyalaya (NGBV).
- 1.2 In capacity of the deemed university, NGBV shall allow admission of engineering/technology students from any other university / deemed university duly taking credit earned by such students under Choice Based Credit System (CBCS) scheme as per the norms of UGC read with Section 10.0B of the UGC (Deemed University) Regulation dated 11 July 2016 published vide the Gazette of India – Extraordinary, Part-III, Section 4.
- 1.3 Dean of Faculty Engineering and Technology (SGIET) in consultation with Pro-Vice Chancellor, NGBV shall decide the year of B.Tech. course (1st/2nd/3rd/4th Year) the student migrates to and obtains the admission in the NGBV from the other institution in respect of those students who got pending back paper(s) yet to be cleared.

2. ELIGIBILITY FOR ADMISSIONS:

2.1 Admission to B. Tech. First Year through Entrance Examination:

- (a) Eligibility for admission to under graduate courses in First year shall be as per guidelines of All India Council for Technical Education (AICTE) / Related Council and according to the latest U.P. Government notifications/rules.

2.2 Admission to B.Tech. Second Year through Lateral Entry Scheme:

- (a) Candidates who have passed 3/4 year Diploma from institutions recognized by the U.P. Board of Technical Education in any branch of Engineering/Technology except Agriculture Engineering are eligible for admission to Second year in any branch of Engineering./Technology.

- 2.3 **Direct admission on vacant seats at institution/college level:** The eligibility criteria for direct admission on seats remaining vacant in first year after entrance examination counseling shall be such as may be notified from time to time.

- 2.4 The Academic Council shall have power to amend or repeal the eligibility criteria laid down at clause 2.1. & 2.2, as per the guidelines of AICTE.

3. ATTENDANCE:

- 3.1 Every student is required to attend all the lectures, tutorials, practicals and other prescribed curricular and co-curricular activities. The attendance can be condoned up to 25% on medical grounds or for other genuine reasons beyond the control of students.

- 3.2 A further relaxation of attendance up to 15% for a student can be given by Head of Institution/college provided that he/she has been absent with prior permission of the Head of the institution/college for the reasons acceptable to him.

- 3.3 No student will be allowed to appear in the end semester examination if he / she do not satisfy the overall average attendance requirements of Clause Nos. 3.1, and 3.2. and such candidate(s) shall be treated as having failed and will be further governed by clause no. 4.2 & 4.3.

- 3.4 The attendance shall be counted from the date of admission in the college or start of academic session whichever is later.

4. DURATION OF COURSES:

- 4.1 Total duration of the B.Tech. Course shall be 4 years, each year comprising of two semesters. Each semester shall normally have teaching for the 90 working days or as prescribed by A.I.C.T.E. from time to time.

- 4.2 The student admitted to 1st year B.Tech. shall complete the course within a period of seven academic years from the date of first admission, failing which he/she has to discontinue the

course. The students admitted under lateral entry scheme (2nd Year B.Tech.) shall complete the course within a period of six academic years from the date of first admission, failing which he/she has to discontinue the course.

- 4.3** A candidate, who has failed twice in first year in NGBV due to any reason (either due to his/her non appearance or he/she being not permitted to appear in semester examinations) shall not be allowed to continue his/her studies further. Provided further that if a student wishes to continue third time in first year he/she may be allowed on the terms and conditions laid down by the University for such permission but the maximum time allowed for completing the course will remain the same as in clause 4.2.
- 4.4** The minimum credit requirement for B.Tech. degree is 192 credits. The lower and upper limit for course credits registered in a semester by a full time student of a degree program are:
- Lower limit - 16 Credits
 - Upper limit - 28 Credits

5. CURRICULUM:

- 5.1** The 4 year curriculum has been divided into 8 semesters and shall include lectures, tutorials, practicals, seminars and projects etc. in addition to industrial training and educational tour etc. as defined in the scheme and executive instructions issued by the University from time to time.
- 5.2** The curriculum will also include such other curricular, co-curricular and extracurricular activities as may be prescribed by the University from time to time.
- 5.3** NGBV will be free to make its own pool of subjects with total number of credit not exceeding 28 per semester.

6. CHANGE OF BRANCH:

- 6.1** Change of branch may be allowed against the vacant seats in the following two stages, provided criteria at following sub clauses is satisfied:
- (a) In first year, after the last date of admission to the B.Tech. Ist semester, on the basis of merit of entrance examination on vacant seat subject to clause 6.2.
 - (b) In the second year, on the basis of merit at the B.Tech. first year examination for those who are pass without any carry over paper subject to clause 6.2.
- 6.2** After change of branch, number of students in branch(s) shall neither increase over the intake approved by A.I.C.T.E. .
- 6.3** Change of branch facility is not applicable to Candidates admitted in second year of B.Tech. courses as per clauses 2.2
- 6.4** The change of branch if allowed will become effective from B.Tech. IIIrd semester.
- 6.5** The Branch change process must be completed by 30th August of each academic session. Further change of branch shall not be permitted.

7. CHANGE OF COLLEGE/UNIVERSITY:

- 7.1** Change of College/University/withdrawal of admission shall not be permitted in any stage after admission.
- 7.2** After completion of admission process, withdrawal of admission will not entitle the candidate any refund of fee.

8. EXAMINATION:

- 8.1** The performance of a student in a semester shall be evaluated through continuous class assessment and end semester examination. The continuous assessment shall be based on

class tests, assignments/tutorials, quizzes/viva-voce and attendance. The marks for continuous assessment (Sessional marks) shall be awarded at the end of the semester. The end semester examination shall be comprised of written papers, practicals and viva-voce, inspection of certified course work in classes and laboratories, project work, design reports or by means of any combination of these methods.

8.2 The distribution of marks for sessional, end semester theory papers, practicals and other examinations, seminar, project and industrial training shall be as prescribed. The practicals, viva-voce, projects and reports shall be examined/evaluated through internal and external examiners as and when required.

8.3 The marks obtained in a subject shall consist of marks allotted in end semester theory paper and sessional work.

9. ELIGIBILITY OF PASSING:

9.1 A student who obtained Grades A⁺ to E shall be considered as passed. If a student secured "F" grade, he /she has to reappear for the examination. It is mandatory for a student to earn the required credits as mentioned in each semester.

(a) For a pass in a Theory Subject/Drawing, a student shall secure minimum of 30% of the maximum marks prescribed in the University Examination and 40% of marks in the aggregate marks in the subject including sessional marks. i.e. Minimum Passing Grade is "E".

(b) For a pass in a Practical/Internship/Project/Viva-voce examination, a student shall secure a minimum of 50% of the maximum marks prescribed for the University Examination in the relevant Practical/Internship/Project/Viva-voce and 40% of marks in the aggregate marks in the Practical/Internship/Project/Viva-voce including sessional marks . i.e. Minimum Passing Grade in a course is "E".

(c) For a pass in Seminar, a student shall secure a minimum of 40% of the maximum marks prescribed. i.e. Minimum Passing Grade is "E".

9.2 The students who do not satisfy the condition 9.1 or the student who remains absent shall be deemed to have failed in that subject and may reappear for the University examination in the subsequent examinations. However, the Sessional marks awarded to the student/s at previous attempt in the concerned subject will be carried forward.

9.3 A student may, at his/her desire, opt to abandon his/her performance of a semester in following manner.

(a) A student may opt to abandon his/her performance only in University Examination of the Semester.

(b) A student may opt to abandon his/her Total Performance of the Semester which includes performance in University Examination and Sessional Marks.

(c) A student may opt to abandon his/her performance in University Examination of any or both semesters of the same academic year only.

(d) A student shall be allowed to abandon the performance maximum twice during the entire course of study.

(e) Performance of a semester, once abandoned, can not be claimed again.

9.4 The student, who opts to abandon the performance of a semester as per clause 9.3, shall abandon performance in all the courses of that semester, irrespective of the fact whether the student has passed or failed in any subject of that semester.

9.5 A student, who opts to abandon the total performance of the semester including sessional marks, has to take readmission for the relevant semester. Readmission to the First semester in such cases shall not be considered as fresh admission i.e., the student will continue to have the same University Roll Number, which was allotted earlier.

9.6 The student, who opted to abandon his / her performance only in the University examination of a semester and does not desire readmission, shall be permitted to re-appear for examinations of all the subjects of the semester in the subsequent examinations as an Ex-

Student. However, the sessional marks obtained by the student in the abandoned semester shall be retained.

- 9.7** Such students who opted to abandon the performance at final year are eligible for the award of Class and Distinction at the B.Tech. degree level, but are not eligible for the award of ranks.
- 9.8** The student who passes a course of a semester as per 9.1 shall not be allowed to appear for the same again, unless he/she opts for abandoning of results as per 9.3-9.7.
- 9.9** A student shall be declared to have completed the program of B.Tech. degree, provided the student has undergone the stipulated course work as per the regulations and has earned at least **192 Credits**.

10. ELIGIBILITY FOR PROMOTION:

- 10.1** There shall not be any restriction for promotion from an odd semester to the next even semester.
- 10.2** For promotion from even semester to the next odd semester (i.e. of the next academic year) the student has secured 24 credits in the immediately preceding two semesters including theory and practical credits.

Minimum Credit Threshold for Promotion

| <i>Check Point</i> | <i>Credit Threshold</i> |
|---------------------------|---------------------------|
| First Year to Second Year | 24 Credits in First Year |
| Second Year to Third Year | 24 Credits in Second year |
| Third Year to Fourth Year | 24 Credits in Third year |

- 10.3** The result of the semester shall be declared pass only on securing E or above grades in all subjects and minimum Semester Grade Point Average (SGPA) is 5.0.
- 10.4** Student himself can decide to abandon the performance of any or both the semesters of same academic year as per clause 9.3 and reappear in abandoned semester examination as per clauses 9.4, 9.5 & 9.6.

11. CARRYOVER SYSTEM:

- 11.1** Following rules shall be followed for carry over papers:
- A candidate who satisfies the requirements of clause 9.2 (a) will be required to appear in those theory papers / practicals during respective end semester exams in which he/she failed.
 - A candidate satisfying clause 9.2 (b) shall be required to exercise his/her choice of theory papers in which he/she desires to appear in the examination to fulfill the requirements of clause 9.1(a).
 - A candidate shall be required to exercise his/her choice of minimum theory papers in which he/she desires to appear in the examination for improvement to fulfill the requirements of clause 10.3.
 - Candidate appearing for carry over paper in any semester shall be examined with the examination paper of that subject running in that semester.
- 11.2** All carryover examinations shall be held only with end semester examination.

12. RE-ADMISSION IN THE INSTITUTION/ COLLEGE:

A candidate may be allowed for re-admission provided he/she satisfies one of the following conditions:

- A candidate is declared fail.

- (b) A candidate did not appear in a semester examination / or he/she was not granted permission to appear in the examination.
- (c) A candidate has been detained by the institute and subsequently has been permitted to take re-admission.
- (d) A candidate has own desire to abandon the performance of semester(s).

13. COURSES:

13.1 There will be four types of courses.

- (i) **Foundation Courses:** The Foundation Courses are of two kinds: *Compulsory Foundation and Elective foundation*.
 “Compulsory Foundation”: These courses are the courses based upon the content that leads to Knowledge enhancement. They are mandatory for all disciplines.
 “Foundation Electives”: These are value based courses aimed at man making education.
- (ii) **Core Courses:** This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirements of a program in a said discipline of study.
- (iii) **Elective Courses:** This is course, which can be chosen from the pool of papers. It may be supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline / domain / nurturing student proficiency skills.
- (iv) **Mandatory Courses:** These courses are mandatory for students joining B.Tech. Program and students have to successfully complete these courses before the completion of degree.

13.2 A student shall exercise his option in respect of the electives and register for the same at the beginning of the concerned semester. The student may be permitted to opt for change of elective subject within 15 days from the date of commencement of the semester as per the calendar of the University.

14. COMPUTATION OF SGPA AND CGPA:

14.1 The Nehru Gram Bharati Vishwavidyalaya, Allahabad adopts absolute grading system wherein the marks are converted to grades, and every semester results will be declared with semester grade point average (SGPA) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated every semester, except the first semester. The grading system is with the following letter grades and grade points scale as given below:

| Level | Outstanding | Excellent | Very Good | Good | Above Average | Average | Poor | Fail |
|-------------------------|------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------|
| Letter Grade | A ⁺ | A | B ⁺ | B | C | D | E | F |
| Grade Points | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 00 |
| Score (Marks) Range (%) | ≥ 90 (90-100) | <90, ≥ 80 (80-89) | <80, ≥ 70 (70-79) | <70, ≥ 60 (60-69) | <60, ≥ 50 (50-59) | <50, ≥ 45 (45-49) | <45, ≥ 40 (40-44) | <40 (0-39) |

14.2 A student obtaining Grade “F” shall be considered failed and will be required to reappear in the examination. Such students after passing the failed subject in subsequent examination/s will be awarded with “E” grade irrespective of marks he/she scores in the subsequent examination/s.

Number of attempts taken to clear a subject/s shall be shown in the transcripts.

14.3 The University has right to scale/moderate the theory exam/practical exam/sessional marks of any subject whenever required for converting of marks in to letter grades on the basis of the result statistics of university as in usual practice.

- (a) The modality for moderation of marks before the declaration of result shall be decided by a committee of Pro-Vice Chancellor, Dean/Director (Engg.) and Controller of Examination.
- (b) The modality for moderation of marks if needed after the declaration of result shall be decided by a committee of Pro-Vice Chancellor, Dean/Director (Engg.), Controller of Examination and an external member not below the rank of Professor nominated by the Vice Chancellor.
- (c) If the candidate(s) appeared in the examination but theory marks are not available due to missing of copy by any reason, the average marks may be awarded as decided by the committee mentioned in 14.3(a). In case of missing/unavailable of sessional marks, Controller of Examination can take decision as per the provision laid down by the Examination Committee.
- (d) The Committee defined in 14.3 (a) shall also fix up the responsibility and recommend the punishment for occurrence of such case(s) in 14.3(c).
- (e) All the matters defined under 14.3(a) to 14.3 (d) shall be executed subject to the approval of Academic Council of NGBV.

14.4 Computation of SGPA and CGPA: The following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

- (a) 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

$$\text{SGPA} (S_i) = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

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.

- (b) 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.

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

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

- (c) The SGPA and CGPA shall be rounded off to 2 decimal places and reported in the transcripts.

Illustration for Computation of SGPA and CGPA

Computation of SGPA Illustration No.1

| Course | Credit | Grade Letter | Grade Point | Credit Point (Credit X Grade) |
|--------------|-----------|----------------|-------------|----------------------------------|
| Course 1 | 4 | B ⁺ | 8 | 4x8=32 |
| Course 2 | 4 | C | 6 | 4x6=24 |
| Course 3 | 4 | B | 7 | 4x7=28 |
| Course 4 | 3 | A ⁺ | 10 | 3x10=30 |
| Course 5 | 3 | D | 4 | 3x4=12 |
| Course 6 | 2 | C | 6 | 2X6=12 |
| Course 7 | 2 | A | 9 | 2X9=18 |
| Course 8 | 2 | C | 6 | 2X6=12 |
| Total | 24 | | | 168 |

Thus, **SGPA=168/24=7.00**

Illustration No.2

| Course | Credit | Grade Letter | Grade Point | Credit Point (Credit X Grade) |
|--------------|-----------|----------------|-------------|----------------------------------|
| Course 1 | 4 | B ⁺ | 8 | 4x8=32 |
| Course 2 | 4 | C | 6 | 4x6=24 |
| Course 3 | 4 | B | 7 | 4x7=28 |
| Course 4 | 3 | A ⁺ | 10 | 3x10=30 |
| Course 5 | 3 | F | 0 | 3x0=00 |
| Course 6 | 2 | C | 6 | 2X6=12 |
| Course 7 | 2 | A | 9 | 2X9=18 |
| Course 8 | 2 | C | 6 | 2X6=12 |
| Total | 24 | | | 156 |

Thus, **SGPA=156/24=6.50**

Illustration No.2 (a)

| Course | Credit | Grade Letter | Grade Point | Credit Point (Credit X Grade) |
|----------|--------|--------------|-------------|----------------------------------|
| Course 5 | 3 | E | 4 | 3x4=12 |

Ci (First Attempt)156 + Ci (subsequent attempt)12= 168

Thus, **SGPA=168/24=7.00**

Illustration No.3

| Course | Credit | Grade Letter | Grade Point | Credit Point (Credit X Grade) |
|--------------|-----------|----------------|-------------|----------------------------------|
| Course 1 | 4 | B ⁺ | 8 | 4x8=32 |
| Course 2 | 4 | C | 6 | 4x6=24 |
| Course 3 | 4 | B | 7 | 4x7=28 |
| Course 4 | 3 | A ⁺ | 10 | 3x10=30 |
| Course 5 | 3 | A | 9 | 3x9=27 |
| Course 6 | 2 | C | 6 | 2X6=12 |
| Course 7 | 2 | A | 9 | 2X9=18 |
| Course 8 | 2 | C | 6 | 2X6=12 |
| Total | 24 | | | 183 |

Thus, **SGPA=183/24=7.63**

CGPA= 24x7.00+24x7.63/48=7.3125

CGPA after Final Semester

| Sem.- 1 | Sem.- 2 | Sem.- 3 | Sem.- 4 | Sem.- 5 | Sem.- 6 | Sem.- 7 | Sem.- 8 |
|------------|------------|------------|------------|------------|------------|------------|------------|
| Credit: 24 | Credit: 24 | Credit: 27 | Credit: 27 | Credit: 24 | Credit: 24 | Credit: 24 | Credit: 26 |
| SGPA:7 | SGPA:8.5 | SGPA:9.2 | SGPA:6.86 | SGPA:8.18 | SGPA:7.73 | SGPA:8.68 | SGPA:9.4 |

Thus, **CGPA =**
$$\frac{24 \times 7 + 24 \times 8.5 + 27 \times 9.2 + 27 \times 6.86 + 24 \times 8.18 + 24 \times 7.73 + 24 \times 8.68 + 26 \times 9.4}{200}$$
 = 8.2

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

15. CONVERSION OF GRADES INTO PERCENTAGE:

Conversion formula for the conversion of CGPA into Percentage is **CGPA Earned x 10 = Percentage of marks scored.**

Illustration: CGPA Earned 8.2 x 10 = 82.0%

16. AWARD OF DIVISION, RANK AND MEDALS:

16.1 Division shall be awarded only after the eighth and final semester examination based on integrated performance of the candidate for all the eight semesters (six semester for lateral entry) as per following details.

- (a) A candidate who qualifies for the award of the degree securing E or above grades in all subjects pertaining to all semesters in his/her first attempt within eight consecutive semesters (four academic years)/ six consecutive semesters (three academic years) as applicable, and in addition secures a CGPA of 7.5 and above for the semesters I to VIII (III to VIII) shall be declared to have passed the examination in FIRST DIVISION WITH HONOURS.
- (b) A candidate who qualifies for the award of the degree by securing E or above grades in all subjects of all the semesters within a maximum period of eight semesters/six semesters as applicable, after his/her commencement of study in the 1st/3rd semester an addition secures CGPA not less than 6.5 shall be declared to have passed the examination in FIRST DIVISION.
- (c) All other candidates who qualify for the award of degree by securing E or above grades in all subjects of all semesters within a maximum period of eight semesters/six semesters as applicable, after his/her commencement of study in the 1st/3rdsemester an addition secures CGPA not less than 5.0 shall be declared to have passed the examination in SECOND DIVISION.

16.2 For award of ranks in a branch, a minimum of 10 students should have appeared in the 8th semester examination. The total number of ranks awarded shall be 10% of total number of students appeared in 8th semester or 10 students; whichever is less in that branch.

Illustration:

1. If 1028 students appeared for the 8th semester in Electronics and Communication Engineering Branch, the number of ranks to be awarded for Electronics and Communication Engineering will 10.
2. If 90 students appeared for the 8th semester in Electrical and Electronics Engineering Branch, the number of ranks to be awarded for Electrical and Electronics Engineering will be 09.

For award of rank in a branch of Engineering / Technology, the CGPA secured by the student from

- (a) 1st to 8th semester for the students admitted to B.Tech. Program from 1st year, and
 - (b) 3rd to 8th semester for the students admitted to B.Tech. Program from 2nd year (Lateral Entry)
- shall be considered.

A student shall be eligible for a rank at the time of award of degree in each branch of Engineering / Technology, provided the student

- (a) Has passed 1st to 8th (students joining from 1st semester) or 3rd to 8th (in case of lateral entry) semester in all the subjects in first attempt only
- (b) Has not repeated/rejected any of the lower semesters.

If two students get the same CGPA, the tie should be resolved by considering the number of times a student has obtained higher SGPA; but, if it is not resolved even at this stage, the number of times a student has obtained higher grades like A⁺, A, B⁺, B etc shall be taken into account in rank ordering of the students in a program.

16.3 The Gold, Silver and any other Medals as decided by the university shall be awarded to students falls in the top ranks of various courses as per university rules.

17. SCRUTINY AND REVALUATION:

17.1 Scrutiny shall be allowed in only theory papers.

17.2 Revaluation of theory/practical papers is permitted only with certain conditions as laid down by university.

18. UNFAIR MEANS:

Cases of unfair means shall be dealt as per the rules and regulations of the University.

19. AWARD OF SESSIONAL MARKS:

Sessional marks for theory subjects, practicals and project shall be awarded as prescribed and at present the break-up of sessional marks shall be as follows:

(a) Theory Subjects:

- (i) Class test which will comprise 20 % of total theory marks with two mid-term tests of equal weightage.
- (ii) Teacher Assessment Tutorial/Assignment/ Quizzes/ Attendance comprises 10% of total theory marks.

(b) Practical:

- (i) Two mid-term viva-voce/tests of equal weightage 30% of total Practical marks.
- (ii) Teacher Assessment: Lab, Record/ Attendance 20% of total Practical marks.

(c) Make-up test may be held only for those students who could not appear in any one of mid-term class tests due to genuine reasons for which the prior permission from the Head of Institution/College was taken. Make up test shall ordinarily be held about two weeks before the semester examination. The syllabus for the make-up test shall be the whole syllabus covered by the subject teacher upto that time.

20. AWARD OF SEMINAR INDUSTRIAL TRAINING, EDUCATIONAL TOUR MARKS AT INSTITUTION/COLLEGE LEVEL:

20.1 The marks of Seminar, Industrial Training, Educational tour marks shall be awarded on the following basis:

- (i) Write-up / Report 50%
- (ii) Presentation 50%

20.2 The marks in Seminar, Industrial Training and Educational Tour shall be awarded by a committee consisting of following members:

- (i) Head of the Department or his/her nominee.
- (ii) Concerned Officer – Incharge.
- (iii) Senior Faculty Member of the department nominated by the Head of Department.

21. CANCELLATION OF ADMISSION:

The admission of a student at any stage of study shall be cancelled if:

(a) He / She is not found qualified as per AICTE / State Government norms and guidelines or the eligibility criteria prescribed by the University.

or

(b) He / She is found unable to complete the course within the stipulated time as prescribed in clause 4.2.

or

(c) He / She is found involved in creating indiscipline in the Institution / College or in the University.

22. The Academic Council shall have the power to relax any provision provided in the ordinance in any specific matter/situation subject to the approval of Executive Council of the University & such decision(s) shall be reported to the Chancellor of the University.
