UNIVERSITY OF MUMBAI

Manual on
CREDIT and GRADING SYSTEM
for
Undergraduate and Postgraduate Programmes
in
ENGINEERING
under
FACULTY OF TECHNOLOGY

(with effect from the academic year 2012–2013)
1 Introduction

1.1 Recommendations of National Regulatory Authorities

The University Grants Commission (UGC), the National Assessment and Accreditation Council (NAAC), the Distance Education Council (DEC) and even the National Knowledge Commission (NKC) have time and again come out with recommendations for improving the quality and effectiveness of Higher education provisions in the country. The ministry of Human Resource Development at the Central level and the Ministry of Higher & Technical Education, Govt. of Maharashtra have also repeatedly stressed on the need for universities to pay prompt attention to improve the quality of education.

An important concern voiced more strongly in recent times, is the need to develop a Choice-Based Credit System (CBCS) in tune with global trends and the adoption of a sound grading system for reflecting learner performance. To quote Shri S. K. Tripathi, former Secretary, Dept. of Secondary and Higher Education, Ministry of Human Resource Development, Govt. of India, “...... The demand for socially relevant, economically productive, globally competitive, culturally sustaining and individually satisfying programmes that cater to the needs of the present times is fast growing. The constraints of pursuing programmes and participation in pre-determined combination of Courses pose rigidities not in keeping with the demands of the changing times.... There is a need for a fully convertible credit-based system acceptable to other universities.

Recommendation of the UGC in its Action Plan for Academic and Administrative Reforms (Ref. UGC letters January 2008; March 2009) “....... Curricular flexibility and learners’ mobility is an issue that warrants our urgent attention. These can be addressed by introducing credit based courses and credit accumulation. In order to provide with some degree of flexibility to learners, we need to provide flexibility in course selection and also a minimum as well as a maximum permissible span of time in which a course can be completed by a learner... The Choice-Based Credit System (CBCS) imminently fits into the emerging socioeconomic milieu, and could effectively respond to the educational and occupational aspirations of the upcoming generations. In view of this, institutions of higher education in India would do well to invest thought and resources into introducing CBCS. Aided by modern communication and information technology, CBCS has a high probability to be operationalised efficiently and effectively — elevating learners, institutions and higher education system in the country to newer heights...”.
The **National Knowledge Commission (NKC)** under the chairmanship of Mr. Sam Pitroda, in its report to the Prime Minister on 29th November 2006) has also reiterated the importance of higher education and the contribution it has made to economic development, social progress and political democracy in independent India. However, the Commission has also pointed out to a “serious cause for concern” at this juncture. According to Mr. Pitroda, “….it is important for us to recognize that there is a quiet crisis in higher education in India which runs deep. And the time has come to address this crisis in a systematic, forthright manner. …. There is a need for a transition to a course credit system where degrees are granted on the basis of completing a requisite number of credits from different courses, which provides learners with choices....

1.2 Rationale for introduction of Credit and Grading System

The UGC while outlining the several unique features of the Choice-Based Credit System (CBCS) has, in fact, given in a nutshell, the rationale for its introduction. Among the features highlighted by the UGC are: Enhanced learning opportunities, ability to match learners’ scholastic needs and aspirations, inter-institution transferability of learners (following the completion of a semester), part-completion of an academic programme in the institution of enrolment and part-completion in a specialized (and recognized) institution, improvement in educational quality and excellence, flexibility for working learners to complete the programme over an extended period of time, standardization and comparability of educational programmes across the country, etc.

This credit and grading based system enables a much-required shift in focus from teacher-centric to learner-centric education since the workload estimated is based on the investment of time in learning, not in teaching. It also focuses on continuous evaluation which will enhance the quality of education. It can be concluded from the above discussion that it is very much essential to implement the credit and grading based higher education in India. University of Mumbai has taken a lead in implementing the system through its affiliated Institutes. In this regard it is very much essential to train and educate the faculty and staff in the new approach of education system for successful implementation. The essential information is made easily accessible through this manual. Course credit structure, examination/assessment and grading are mainly focused aspects of this manual and discussed in subsequent chapters.
2. COURSE CREDIT STRUCTURE

As the requirements for a particular degree (undergraduate or postgraduate), a certain quantum of academic work measured in terms of credits is laid down in general. Learner earns credits every semester by satisfactorily clearing courses/other academic activities. The amount of credit associated with a course is dependent upon the number of hours of instruction per week in that course. Similarly the credit associated with any of the other activities is dependent upon the quantum of work expected to be put in for each of the other activity per week.

2.1 Credit Assignment

2.1.1 Theory and Laboratory Courses:

Courses are broadly classified as *Theory courses* and *Laboratory Courses*. Theory courses consist of lecture (L) and/or tutorial (T) hours, but may have attached practical (P) hours in special cases. Laboratory courses consist of practical hours, but may have attached tutorial hours in special cases. Credit (C) for a course is dependent on the number of hours of instruction per week in that course, and is obtained by using a multiplier of one (1) for lecture and tutorial hours, and a multiplier of half (1/2) for laboratory hours. Thus, for example, a theory course having four lectures and one tutorial per week throughout the semester carries a credit of 5. Similarly, a laboratory course having two laboratory hours per week throughout semester carries acredit of 1.

For example –

<table>
<thead>
<tr>
<th>Theory course</th>
<th>Laboratoy course</th>
</tr>
</thead>
<tbody>
<tr>
<td>L</td>
<td>T</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

2.1.2 Seminars

Some programs may prescribe Seminar as a requirement for the BE / ME. Seminar is a course wherein under the guidance of a faculty member a learner is expected to do an in-depth study in a specialized area by doing survey of published technical literature, understanding different aspects of the problem. While doing this, the learner is expected to critically analyze works of various authors /researchers, learn the investigation methodologies, study concepts, techniques and the results presented in these papers, and present a seminar. It is mandatory to give a seminar
presentation before a panel constituted for the purpose as mentioned in syllabus / curriculum manual of respective programme. Seminars typically carry 3 credits.

2.1.3 Projects/Dissertations

B.E. Projects (I and II): A Project as a requirement for the B.E. degree, wherein under the guidance of a faculty member, a group of not more than four learners in the seventh and eighth semester, is required to do some innovative work with the application of knowledge gained while learning various courses in the earlier years. The student is expected to do a survey of literature in the subject, work out a Project plan and carry it out through experimentation and/or modeling / computation. Through the Project work the learner has to exhibit skills for both analysis and synthesis. These Projects may be offered as Project-I and Project-II in seventh and eighth semester respectively. The credits assigned for Project-I and Project-II are 3 and 6 respectively.

M.E. Dissertations: Dissertation / Project is a mandatory requirement in the post-graduate Programme. The Dissertation/Project consists of two stages, spread over one year duration, normally starting from the third semester (Dissertation-I) and ending with the fourth semester (Dissertation-II). These are essentially research and development projects, where a learner trains him/herself, under the guidance of supervisor/s, in in-depth analysis of an engineering problem and attempts synthesis of a solution. It includes literature survey, problem analysis and problem definition, extensive experimental/modeling work, and analysis of results typically form various components of the Dissertation/Project work. Dissertation-I and Dissertation-II carries 12 and 15 credits respectively.

2.2 Minimum Credit Requirements

The minimum credit required for award of a B.E. degree is 180. This is normally divided into Theory courses, tutorials, laboratory courses, seminars and projects in duration of eight semesters. The minimum credit required for award of a M.E. degree is 70. The credits are distributed semester wise as shown in the structure and syllabus manual of each programme. Courses generally progress in sequences, building competencies and their positioning indicates certain academic maturity on the part of the learners. Learners are expected to follow the semester wise schedule of courses given in the syllabus manual of respective programmes.
2.3 Course/Subject codes

**M. E. Programmes:** In the syllabus manual of each programme of a particular discipline, subject code is assigned for each course. The subject code consists of six to seven digits. First two digits (letters) indicate the program of a particular discipline, next digit (letter) indicates course is either core/compulsory or elective or laboratory or seminar or Dissertation/Project. A fourth digit (number) indicates semester of a program and fifth and sixth digit (number) indicates serial number of course. A seventh digit (number) is only applicable for elective course which indicates the serial number of elective course in that group.

For example -

<table>
<thead>
<tr>
<th>Core/compulsory course</th>
<th>Elective course</th>
<th>Laboratory course</th>
<th>Seminar</th>
<th>Dissertation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>C101</strong></td>
<td><strong>E1011</strong></td>
<td><strong>L101</strong></td>
<td><strong>S301</strong></td>
<td><strong>D401</strong></td>
</tr>
</tbody>
</table>

Where,

- First two digits (letters) **:** indicates program name
- Third digit (letter) C : indicates Core/Compulsory course;
  E : indicates Elective course
  L : indicates laboratory course;
  S : indicates Seminar
  D : indicates Dissertation
- Fourth digit (number) 1/3/4 : indicates semester in which that course to be studied
- Fifth and sixth digit (numbers) 01 : indicates serial number of course
- Seventh digit (number) 1/2/3/4 : indicates serial number of elective course in a group

The first two letters used in coding of courses indicates respective programmes. Only exception to this is first year engineering; wherein first two digits indicates First Year Engineering (FE).
The following is the list of programmes and letters assigned in course/subject codes;

I. Civil Engineering : CE
   Structural Engineering : ST
   Construction Management : CM
   Environmental Engineering : EV

II. Computer Engineering : CS

III. Chemical Engineering : CH

IV. Electrical Engineering : EE
   Power Electronics and Drives : PE
   Power System Engineering : PS

V. Electronics Engineering : EX

VI. Electronics and Telecommunication Engineering : ET

VII. Mechanical Engineering : ME
   Automobile Engineering : AE
   CAD/CAM and Robotics : CC
   Energy Engineering : EG
   Heat Power : HP
   Machine Design : MD
   Manufacturing Systems Engineering : MS
   Thermal Engineering : TE

VIII. Information Technology : IT
   Information Technology in Information Security : IS

IX. Biomedical Engineering : BM

X. Instrumentation and Control : IN

XI. Automobile Engineering : AU

XII. Production Engineering : PR

XIII. Construction Engineering : CT

XIV. Biotechnology : BT

XV. Printing and Packaging Technology : PP

XVI. Marine Engineering : MR
3. EXAMINATION / ASSESSMENT AND GRADING

Semester wise performance assessment of every registered learner is to be carried out through various modes of examinations. These include Internal Assessment and End Semester Examination. Internal Assessment includes class tests, home assignments based on live problems, course projects either in a group or individually. The modes of evaluation and distribution of weightage for each of the assessments is given in the syllabus manual of each programmes. Normally weightage of Internal Assessment and End Semester Examinationis 20 and 80 percentage respectively in theory courses. In laboratory courses continuous assessment should be carried out and appropriate weightage should be given to each practical/assignment/course project and proper record of the same to be preserved by the concerned faculty for the purpose of inspection as and when required.

3.1 Attendance

Attendance for all Theory, Tutorial, Practical, Seminar and Project/Dissertation is compulsory. As per the University Ordinance 119, 75 % attendance is compulsory for keeping the term.

3.2 Modes of Assessment/Evaluation

3.2.1 Modes of Evaluation for Theory Courses

Various modes of assessment used for rating learners’ performance in a theory course include Internal Assessment and End Semester Examination. Relative weightage for Internal Assessment is typically 20 per cent. This will consist of two test out of which one is compulsory class test and another is either a class test or assignment on live problems or course project in a group/individually.

The end semester examination will be held as per the university schedule and the relative weightage for this would be 80 per cent. It is normally of 3 hours duration and will cover the full syllabus of the course. The end semester examination is mandatory. The grade for theory courses can be awarded only after successfully completion of both Internal Assessment and End Semester Examination of the respective course as per the curriculum manual of the respective programme.
3.2.2 Modes of Evaluation for Laboratory Courses

The assessment in a laboratory course will be based on regular supervision of the learner’s work, her/his performance in viva-voce examinations, the quality of their work as prescribed through laboratory journals and an end semester test that contains performing an experiment if practical examination is mentioned. It is obligatory to maintain a laboratory journal as prescribed by the course instructor. Final submission/examination for laboratory courses will normally be held before the end semester examination (final theory examinations). The grade for laboratory courses can be awarded only after successfully completion of Term Work, Practical and/or Oral examination as per the curriculum manual of the respective programme.

3.2.3 Modes of Evaluation for Seminars

Seminars are evaluated based on a written report, and an oral presentation before a panel of examiners appointed by the University. The supervisor and/or co-supervisor, when involved, are part of the panel. The grade for Seminar can be awarded only after successfully completion of Term Work and Oral Presentation as per the curriculum manual of the respective programme. The evaluation of the seminars is completed before the commencement of the end semester examination.

3.2.4 Modes of Evaluation for Projects/Dissertation

B.E. Project: Project-I and Project-II are separately graded, at the end of the respective semesters. These projects are supervised or guided, and need regular interaction (at least once a week) with the supervisor/guide. Project group has to submit a project report and defend it in front of a panel of examiners. Panel of examiners for Project-I evaluation will be appointed by Head of Department/Institute, while as for Project-II evaluation will be conducted by pair of Internal and External examiners appointed by University. The dates for submission of reports, the dates for presentations are to be scheduled as per the guidelines of University and details of mode of assessment are given in the curriculum manual of respective programmes. Project is a part of term work; the project report will not be accepted if students fail to complete the project successfully. The grade for Project can be awarded only after successfully completion of Term Work and Oral Presentation as per the curriculum manual of the respective programme.
M. E. Dissertation: For evaluation of Dissertation-I, a learner has to submit the required number of copies of report to the respective department of affiliated Institute/College as per the University academic calendar. Evaluation will be done, by a panel of examiners appointed by the head of Department/Institute, based on the report and presentation. The criteria of evaluation of Dissertation –I are given in the curriculum manual. The panel shall consist of the supervisor(s) and at least one or two more faculty members, to act as internal examiners.

For evaluation of Dissertation-II, a learner has to submit required number of hard bound Dissertation reports to the respective section of University. A learner is eligible for viva-voce of Dissertation-II only if s/he passes in semester –I, semester –II and semester –III in all respect. The evaluation will be done by a pair of examiners based on the report and a viva-voce. The viva-voce will be conducted in the parent Institute. Final Grade reports are to be sent by the Institute to the respective section of university on completion of the viva-voce. The criteria of evaluation of Dissertation –II are given in the curriculum manual. The Pair of Examiners for the assessment of Dissertation-II will be appointed by the University.

3.3 Grading of Performance

3.1 Letter Grade and Grade Point Allocation

The Credit and Grading system will be effective from the academic year 2012-2013 for Faculty of Technology of University of Mumbai. In every course, based on the combined performance in all assessments in a particular semester as per the curriculum/syllabus, the student is awarded a letter grade. These letter grades not only indicate a qualitative assessment of the learner’s performance but also carry a quantitative (numeric) equivalent called the Grade Point. The letter grades and their equivalent grade point applicable for undergraduate programmes are given below:

<table>
<thead>
<tr>
<th>Percentage of Marks Obtained</th>
<th>Letter Grade</th>
<th>Grade Points</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.00 and above</td>
<td>O</td>
<td>10</td>
<td>Outstanding</td>
</tr>
<tr>
<td>75.00 – 79.99</td>
<td>A</td>
<td>9</td>
<td>Excellent</td>
</tr>
<tr>
<td>70.00 – 74.99</td>
<td>B</td>
<td>8</td>
<td>Very Good</td>
</tr>
<tr>
<td>60.00 – 69.99</td>
<td>C</td>
<td>7</td>
<td>Good</td>
</tr>
<tr>
<td>50.00 – 59.99</td>
<td>D</td>
<td>6</td>
<td>Fair</td>
</tr>
<tr>
<td>45.00 – 49.99</td>
<td>E</td>
<td>5</td>
<td>Average</td>
</tr>
<tr>
<td>40.00 – 44.99</td>
<td>P</td>
<td>4</td>
<td>Pass</td>
</tr>
<tr>
<td>Less than 40.00</td>
<td>F</td>
<td>0</td>
<td>Fail</td>
</tr>
</tbody>
</table>
A learner who remains absent in any form of evaluation/examination, letter grade allocated to him/her should be AB and corresponding grade point is zero. S/he should reappear for the said evaluation/examination in due course.

The letter grades and their equivalent grade point applicable for post graduate programme are given below:

<table>
<thead>
<tr>
<th>Percentage of Marks Obtained</th>
<th>Letter Grade</th>
<th>Grade Points</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>80.00 and above</td>
<td>O</td>
<td>10</td>
<td>Outstanding</td>
</tr>
<tr>
<td>75.00 – 79.99</td>
<td>A</td>
<td>9</td>
<td>Excellent</td>
</tr>
<tr>
<td>70.00 – 74.99</td>
<td>B</td>
<td>8</td>
<td>Very Good</td>
</tr>
<tr>
<td>60.00 – 69.99</td>
<td>C</td>
<td>7</td>
<td>Good</td>
</tr>
<tr>
<td>55.00 – 59.99</td>
<td>D</td>
<td>6</td>
<td>Fair</td>
</tr>
<tr>
<td>50.00 – 54.99</td>
<td>E</td>
<td>5</td>
<td>Average</td>
</tr>
<tr>
<td>45.00 – 49.99</td>
<td>P</td>
<td>4</td>
<td>Pass</td>
</tr>
<tr>
<td>Less than 45.00</td>
<td>F</td>
<td>0</td>
<td>Fail</td>
</tr>
</tbody>
</table>

A learner who remains absent in any form of evaluation/examination, letter grade allocated to him/her should be AB and corresponding grade point is zero. S/he should reappear for the said evaluation/examination in due course.

3.2 SGPI/ CGPI Calculation

3.2.1 Semester Grade Performance Index (SGPI)

The performance of a learner in a semester is indicated by a number called Semester Grade Performance Index (SGPI). The SGPI is the weighted average of the grade points obtained in all the courses by the learner during the semester. For example, if a learner passes five courses (Theory/labs./Projects/ Seminar etc.) in a semester with credits $C_1$, $C_2$, $C_3$, $C_4$ and $C_5$ and learners grade points in these courses are $G_1$, $G_2$, $G_3$, $G_4$ and $G_5$ respectively, then learners’ SGPI is equal to:

$$SGPI = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$
The SGPI is calculated to two decimal places. The SGPI for any semester will take into consideration the “For AB” grade awarded in that semester. For example if a learner has failed in course 4, the SGPI will then be computed as:

\[ SGPI = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 \times \text{ZERO} + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5} \]

### 3.2.2 Cumulative Grade Performance Index (CGPI)

An up to date assessment of the overall performance of a learner from the time s/he enrolled the University of Mumbai is obtained by calculating a number called the Cumulative Grade Performance Index (CGPI), in a manner similar to the calculation of SGPI. The CGPI therefore considers all the courses mentioned in the curriculum/syllabus manual, towards the minimum requirement of the degree learner have enrolled for. The CGPI is calculated at the end of every semester to two decimal places and is indicated in semester grade report cards.

The CGPI will reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s) is/are passed by obtaining a pass grade on subsequent examination(s) the CGPI will only reflect the new grade and not the fail grades earned earlier.

Example: Up to semester \( r \) a learner has registered for \( n \) courses, among which s/he has “F” grade in \( i^{th} \) course. The semester grade report at the end of semester \( r \) therefore will contain a CGPI calculated as:

\[ CGPI = \frac{C_1G_1 + C_2G_2 + C_3G_3 + \ldots + C_i \times \text{ZERO} + \ldots + C_nG_n}{C_1 + C_2 + C_3 + \ldots + C_i + \ldots + C_n} \]

Even if a learner has failed in a course more than once, the course will figure only once in the numerator as well as the denominator. At the end of semester \( r+1 \) s/he has appeared for examination for \( k \) number of courses including the \( i^{th} \) backlog course and has cleared all the courses including the backlog course, the CGPI at the end of this semester is calculated as,

\[ CGPI = \frac{C_1G_1 + C_2G_2 + C_3G_3 + \ldots + C_i \times G_i + \ldots + C_nG_n}{C_1 + C_2 + C_3 + \ldots + C_i + \ldots + C_n} \]

There will also be a final CGPI calculated which considers all the credits earned by the learner specified for a particular programme.
3.3 Heads of Passing

Internal Assessment (IA) and End Semester Examination (ESE) should be two separate heads for passing. Apart from these, Practical and/or Oral examination also should be independent head/s of passing.

Note: Even though Term Work is not a separate head of passing, a learner should satisfactorily complete Term Work in all courses for a particular semester as per syllabus/curriculum manual to be eligible to appear for any form of examination.

3.4 Promotion of Learner and Award of Grades

A learner will be declared PASS and eligible for grade in a particular course of undergraduate programme if,

- A learner secures at least 40% marks in each head of passing mentioned above.
  OR
- If learner fails in Internal Assessment but secure more than 50% in total (Internal Assessment + End Semester Examination) in that course.

A learner will be declared PASS and eligible for grade in a particular course of post graduate programme if,

- A learner secures at least 45% marks in each head of passing mentioned above.
  OR
- If learner fail in Internal Assessment but secure more than 50% in total (Internal Assessment + End Semester Examination) in that course.

3.5 Carry Forward of Marks

In case of a learner who does not fulfill criteria mentioned in section 3.4 and fails in the Internal Assessment and/or End Semester Examination in one or more courses:

- A learner who PASSES in the Internal Assessment but FAILS in the End Semester Examination of the course shall reappear for the End Semester Examination of that course. However his/her marks of the Internal Assessment shall be carried over and he/she shall be entitled for grade obtained by him/her on passing.
• A learner who PASSES in the **End Semester Examination** but **FAILS** in the **Internal Assessment** of the course shall **reappear** for the **Internal Assessment** of that course. However his/her marks of the **End Semester Examination** shall be **carried over** and he/she shall be entitled for grade obtained by him/her on passing.

### 3.6 Reexamination of Internal Assessment and End Semester Examination

**Re-examination** for **Internal Assessment** should be completed before the commencement of next semester theory examination.

**Example:** A learner who is supposed to reappear for Internal Assessment in semester-I course will appear for the reexamination before commencement of End Semester Examination of semester -II.

Re-examination of Internal Assessment will be based on single examination having same marks as of original assessment. A learner who supposed to reappear for Internal Assessment will be given some work by the concerned teacher. The work assigned can be of the form of a course project/ assignment problems/ test/ tutorials etc. A learner will do the submission of the assigned work in the predefined period. Records should be maintained properly for all the re-examinations as well as Internal Assessments.

**Reexamination** of **End Semester Examination** will be conducted as per the schedule planned by University of Mumbai

### 3.7 Allowed to Keep Terms (ATKT):

1. A learner shall be allowed to keep term for Semester II irrespective of grades obtained in each course of Semester I.

2. A learner shall be allowed to keep term for Semester III if s/he passes each of Semester I and Semester II

   OR

   S/he fails in not more than **eight heads** of passing of which not more than **five** shall be in End Semester Examinations of Semester I and Semester II taken together.

3. A learner shall be allowed to keep term for Semester IV irrespective of grades obtained in each course of Semester III.
4. A learner shall be allowed to keep term for Semester V if s/he passes in all heads of Semester I, Semester II, Semester III and Semester IV

   OR

   S/he has passed in all heads of Semester I and Semester II and fails in not more than eight heads of passing of which not more than five shall be in End Semester Examinations of Semester III and Semester IV taken together.

5. A learner shall be allowed to keep term for Semester VI irrespective of grades obtained in each course of Semester V.

6. A learner shall be allowed to keep term for Semester VII if s/he passes in all heads of Semester I, Semester II, Semester III, Semester IV, Semester V and Semester VI

   OR

   S/he has passed in all heads of Semester I, Semester II, Semester III and Semester IV and fails in not more than eight heads of passing of which not more than five shall be in End Semester Examinations of Semester V and Semester VI taken together.

7. A learner shall be allowed to keep term for Semester VIII irrespective of grades obtained in each course of Semester VII.

Note: Grade AB should be considered as failed and treated as one head for deciding ATKT

3.8 Semester Grade Report

At the end of each semester the semester grade report, which reflects the performance of the learner in that semester, is prepared and issued to the learner. This report includes the fail grades as awarded. Even when a failed course is passed in a later semester, no new modified grade report for that semester in which the fail grade was awarded will be issued. In case of backlog courses learner should be issued separate grade report card as and when s/he passes the course/s.

The grade cards can be issued to the Learners on the basis of the calculations of SGPI/ CGPI given in Section 3.2 of this manual in a uniform format given by the University. The format of the grade card for the examinations conducted by the colleges shall be the same as the format for all the concerned programmes. The grade card will reflect the letter grade obtained by the learner, credit points of the individual courses of a particular semester, calculation of SGPI for each semester and the CGPI for all the successfully completed courses of Programme till that semester examination.