

### Illustration Of Computation Of SGPA AND CGPA

Computation of SGPA and CGPA Illustration for SGPA

| COURSE   | CREDITS   | GRADE LETTER | GRADE POINT | CREDITPOINT<br>(Credit x Grade) |
|----------|-----------|--------------|-------------|---------------------------------|
| Course 1 | 3         | A            | 8           | 3 X 8 = 24                      |
| Course 2 | 4         | B+           | 7           | 4 X 7 = 28                      |
| Course 3 | 3         | B            | 6           | 3 X 6 = 18                      |
| Course 4 | 3         | O            | 10          | 3 X 10 = 30                     |
| Course 5 | 3         | C            | 5           | 3 X 5 = 15                      |
| Course 6 | 4         | B            | 6           | 4 X 6 = 24                      |
|          | <b>20</b> |              |             | 139                             |

Thus, SGPA =  $139/20 = 6.95$

Illustration for CGPA

| Item    | Semester |     |     |     |     |     |
|---------|----------|-----|-----|-----|-----|-----|
|         | I        | II  | III | IV  | V   | VI  |
| Credits | 20       | 22  | 25  | 26  | 26  | 25  |
| SGPA    | 6.9      | 7.8 | 5.6 | 6.0 | 6.3 | 8.0 |

Thus,

$$CGPA = \frac{(20 \times 6.9 + 22 \times 7.8 + 25 \times 5.6 + 26 \times 6.0 + 26 \times 6.3 + 25 \times 8.0)}{(20 + 22 + 25 + 26 + 26 + 25)} = 6.73$$

### School Of Architecture (B.Arch)

| Performance   | Letter Grade | Grade Point | Percentage of marks |
|---------------|--------------|-------------|---------------------|
| Outstanding   | O            | 10          | 90 - 100            |
| Excellent     | A+           | 9           | 80 - 89             |
| Very Good     | A            | 8           | 70 - 79             |
| Good          | B+           | 7           | 60 - 69             |
| Above Average | B            | 6           | 50 - 59             |
| Pass          | C            | 5           | 46 - 50             |
| Fail          | F            | 0           | 0 - 49              |
| Fail          | AB           | 0           | Absent              |

## College of Pharmacy (B.Pharm)

| Performance | Letter Grade | Grade Point | Percentage of marks |
|-------------|--------------|-------------|---------------------|
| Outstanding | O            | 10          | 90 – 100            |
| Excellent   | A            | 9           | 80– 89              |
| Good        | B            | 8           | 70– 79              |
| Fair        | C            | 7           | 60– 69              |
| Average     | D            | 6           | 50– 59              |
| Fail        | F            | 0           | Less than 50        |
| Fail        | AB           | 0           | Absent              |

## For all other Programs

| Performance   | Letter Grade | Grade Point | Percentage of marks |
|---------------|--------------|-------------|---------------------|
| Outstanding   | O            | 10          | 90 - 100            |
| Excellent     | A+           | 9           | 80 - 89             |
| Very Good     | A            | 8           | 70 - 79             |
| Good          | B+           | 7           | 60 - 69             |
| Above Average | B            | 6           | 50 - 59             |
| Average       | C            | 5           | 46 - 49             |
| Pass          | P            | 4           | 40 - 45             |
| Failed        | F            | 0           | 0 – 39              |
| Absent        | AB           | 0           | Absent              |

## RELATIVE GRADING

The following table lists the grades and its connotation for relative grading:

| Letter Grade   | Grade Point | Grade Calculation  |
|----------------|-------------|--|
| O              | 10          | total marks $\geq$ 90% and total marks $\geq$ mean + 1.50 $\sigma$ |
| A <sup>+</sup> | 9           | $\mu + 0.50\sigma \leq$ total marks $<$ $\mu + 1.50\sigma$         |
| A              | 8           | $\mu \leq$ total marks $<$ $\mu + 0.50\sigma$                      |

|                |   |  |
|----------------|---|--|
| B <sup>+</sup> | 7 | $\mu - 0.50\sigma \leq \text{total marks} < \mu$                           |
| B              | 6 | $\mu - 1.00\sigma \leq \text{total marks} < \mu - 0.50\sigma$              |
| C              | 5 | $\mu - 1.25\sigma \leq \text{total marks} < \mu - 1.00\sigma$              |
| P              | 4 | $\mu - 1.50\sigma \leq \text{total marks} < \mu - 1.25\sigma$ or $\geq 40$ |
| F              | 0 | total marks $< \mu - 1.50\sigma$ or total marks $\leq 39$                  |
| Ab             | 0 | Absent   |

$\mu$  is the mean mark of the class excluding the marks of those students who scored  $\geq 90\%$  and  $40\%$  after rounding the percentages to the next highest integer.  $\sigma$  is the standard deviation of the marks from then. Relative grading is not applicable for B.Arch & B. Pharmacy programs.

### SGPA & CGPA

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 and the sum of the number of credits of all the courses undergone by a student, in a semester.

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

Where ' $C_i$ ' is the number of credits of the  $i^{\text{th}}$  course and ' $G_i$ ' is the grade point scored by the student in the  $i^{\text{th}}$  course.

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 program,

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

Where ' $S_i$ ' is the SGPA of the  $i^{\text{th}}$  semester and ' $C_i$ ' is the total number of credits in that semester.

- The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.
- CGPA can be converted to percentage of marks:  $10 \times \text{CGPA} - 7.5$
- A student appearing for a course having lab integrated with theory and in case obtains less than 40% in either of lab or theory component of semester end examination, and in such case the student has to reappear for the component only in which he has secured less than 40%. Till successful attainment of minimum 40% of both components, the student remains in the F grade for that course.

d. Audit/Certificate courses are graded as satisfactory (S) or non-satisfactory (NS) only.

e. At the end of each semester, the KLEF issues grade sheet indicating the SGPA and CGPA of the student. However, grade sheet will not be issued to the student if he/she has any outstanding dues.