

<i>Course</i>	<i>Paper I</i>	<i>Paper II</i>	<i>Paper III</i>	<i>Paper IV</i>	<i>Paper V</i>
Credit	5	5	5	5	5
Numerical Grade	7	8	5	7	6

The GPA for the J th semester is calculated as :

$$\text{GPA} = \frac{7 \times 5 + 8 \times 5 + 5 \times 5 + 7 \times 5}{5+5+5+5} = \frac{135}{20} = 6.75$$

The cumulative Grade Point Average (CGPA) for k semester is given as :

$$\text{CGPA} = \frac{\sum_{j=1}^k (\text{GPA}_j \times C_j)}{\sum_{j=1}^k C_j}$$

where C_j is the total number of credits in the j th Semester.

For example, consider the GPA's obtain by a student in four semester along with total credit in each semester is given as follows.

<i>Semester</i>	<i>First</i>	<i>Second</i>	<i>Third</i>	<i>Fourth</i>
GPA	6.75	6.00	8.12	7.62
Total Credit	16	20	18	16

$$\text{CGPA} = \frac{(6.75 \times 16) + (6.00 \times 20) + (8.12 \times 18) + (7.62 \times 16)}{16+20+18+16}$$

$$= \frac{108+120+146+16+121.92}{70}$$

$$\text{CGPA} = \frac{496.06}{70} = 7.08$$

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