

Computation of Semester Grade Point Average and Aggregate Grade Point average

- **Eight Point Alpha – Sign Grading Scale**

Alpha – Sign grade	D	C	B	B+	A	A+	A++	O
Grade Point	<4	4 to < 5	5 to < 5.5	5.5 to < 6	6 to < 7	7 to < 8	8 to < 9	9 to 10
Classification of result		Pass class	Second Class	High Second Class	First Class	First Class with Distinction		

- **Computation of Grade Point for each semester**

$$\text{Weighted Grade } (W_i) = \frac{\text{Marks obtained in the subject}}{\text{Total Marks}} \times \text{Credits for that subject}$$

$$\text{Total weighted grade of all subjects} = \sum_i W_i \text{ for all subjects}$$

$$\text{Grade point Average (GPA) of the semester} = \frac{\text{Total weighted grade}}{\text{Maximum credits for the semester}}$$

➤ **Example**

Subject	L1	L2	O1	O2	O3	FC	CC/EC	Total
Max.Marks	100	100	150	150	150	100	50	800
Marks Obtained	67	78	118	125	136	85	39	648
Grade Point (GP)	6.7	7.8	7.9	8.3	9.1	8.5	7.8	---
Credits	2	2	3	3	3	2	1	16
Weighted Grade points	13.4	15.6	23.7	24.9	27.3	17.0	7.8	129.7

$$\text{Semester GPA} = \frac{129.7}{16} = 8.106$$

Semester Alpha Sign Grade : **A++**

- **Computation of Cumulative Grade Point Average**

Cumulative grade point average at the end of VI semester or VIII semester is calculated as follows.

$$\text{Cumulative weighted grade points of all semesters} = \sum_i \text{Total Weighted grade points of each semester}$$

$$\text{Cumulative grade point average (CGPA)} = \frac{\text{Cumulative weighted grades of all semesters}}{\text{Total Credits for the course}}$$

➤ **Example**

Semester	I	II	III	IV	V	VI	VII	VIII	TOTAL
Total Marks/ Semester	800	800	800	800	1000	1000	700	700	6600
Total Marks secured	648	640	717	698	902	911	635	644	5795
Semester GPA	8.106	8.0	8.96	8.72	9.025	9.1	9.075	9.2	---
Semester Credits	16	16	16	16	20	20	26	26	156
Semester Credit Weightages	129.7	128.0	143.4	139.5	180.5	182.0	236.0	239.2	1378.3

$$CGPA = \frac{1378.3}{156} = 8.835$$

Programme Alpha – Sign Grade : **A++**

Classification of result : **First Class with Distinction**