



## Office of Controller of Examinations

**(To whomsoever it may concern)**

**Subject : Calculation of CGPA up to n<sup>th</sup> semester**  
(n can be equal to any value from 1 to 8)

### **Semester Grade Point Average (SGPA):**

In view of calculation of SGPA, 'Earned Grade Points' shown in the grade report are divided by 'total credits of that semester'.

$$\text{SGPA} = \frac{(\text{Earned Grade Points in the Semester})}{(\text{Total Credits of that Semester})}$$

### **Cumulative Grade Point Average (CGPA):**

In view of calculation of CGPA up to n<sup>th</sup> semester, then take sum of 'Earned Grade Points' of semester 1 to n and divide this sum by total credits of semester 1 to n.

$$\text{CGPA (Up to n}^{\text{th}} \text{ semester)} = \frac{(\text{Sum of 'Earned Grade Points' of Semester 1 to n})}{(\text{Total credits of Semester 1 to n})}$$

### **For CGPA conversion to percentage of marks:**

In view of conversion of CGPA into percentage of marks' obtained by student, following formula is printed on 'Final grade report' issued to the students who have completed the degree from this Institute.

$$\text{Mark's \%} = [\text{CGPA} - 0.75] \times 10$$

### **For SGPA conversion to percentage of marks:**

In view of conversion of SGPA in to 'percentage of marks' obtained by student, following formula is printed on 'Semester Grade Report' issued to the students.

$$\text{Mark's \%} = [\text{SGPA} - 0.75] \times 10$$

This formula is printed on the Grade report to verify the percentage calculated by students.

**(Prof D. R. Raut)**  
**Controller of Examinations**

Date : 28-04-2023

See next page to calculate "obtained Marks"



Nagar Yuwak Shikshan Sanstha's

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### Semester wise Marks:-

### “Maximum Total Marks”:-

**Every course is evaluated at 100 marks as maximum.**

(Check “Scheme of examination” - SOE for any variation)

**If you have 9 courses, then maximum total marks = 900**

### % of marks obtained :-

From SGPA you can calculate “% of marks” as explained on page 1 above.

### Obtained Marks:-

By using “% marks” and “Maximum Total Marks”  
you can calculate “Obtained Marks” as follows

If your ‘Maximum marks’ = 900

If your % of marks obtained = 50%

**Then your Obtained Marks = 450 /900**