

# SGPA/SPI and CGPA/CPI Calculation Example -

## SPI/ SGPA Calculation Example

BACHELOR OF TECHNOLOGY

Class : FOURTH YEAR Branch : CHEMICAL ENGINEERING

Sr No	Course Code	Course Title	Type	Credits	Grades	Grade Points Calculation CreditsxPoints (Refer follow. table)	Grade Points
1	CH4203	PLANT ENGINEERING AND PROJECT ECONOMICS	TH	2	AB	2 x 9 (AB)	18
2	MD4202	PROJECT MANAGEMENT	TH	2	AB	2 x 9 (AB)	18
3	CH4205	TRANSPORT PHENOMENA	TH	2	BB	2 x 8 (BB)	16
4	CH4289	MAJOR PROJECT	LAB	10	AA	10 x 10 (AA)	100
				<b>Total</b>	<b>16</b>		<b>152</b>

Table for Calculation of Grade points

Grade		Points
As per new exam pattern	As per old exam pattern	
A+	AA	10
A	AB	9
B+	BB	8
B	BC	7
C+	CC	6
C	CD	5
D	DD	4
F	FF	0

<b>Total of Grade Points =</b>	<b>152</b>
<b>Total of Credits =</b>	<b>16</b>

<b>SPI/ SGPA =</b>	<b>Total grade points of the semester / Total Credits of the semester</b>	<b>152 / 16</b>	<b>9.5</b>
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**CPI/ CGPA Calculation Example:**

**Note :- It is not calculated as an average of SPI/SGPA.**

Semester	Total Credits of that Semester	Total Grade points of that semester	SPI/SGPA
Sem I	21	163	7.76
Sem II	23	176	7.65
Sem III	22	182	8.27
Sem IV	22	192	8.73
Sem V	20	180	9.00
Sem VI	20	184	9.20
Sem VII	16	152	9.50
Sem VIII	Not Completed yet		
Total	144	1229	

<b>Total =</b>	<b>144</b>	<b>1229</b>	
	Total Credits of all semesters (except 8th)	Total Grade Points of all semesters (except 8th as not completed yet for this example)	

<b>CPI/ CGPA =</b>	<b>Total Grade points of all semesters / Total Credits of all semesters</b>	<b>1229/144</b>	<b>8.53</b>
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**CPI/CGPA = 8.53 which is not equal to average of spi = 8.59**

