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Outward No. MITWPU/EXAM/2025/90

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## CIRCULAR


Subject: Calculation of SGPA & CGPA

Dear Students,

As per UGC Guidelines and Examination Ordinance 2022, MIT WPU follows the 10-point Grade System. The Grade Tables & formulae for calculation of SGPA (Semester Grade Point Average) & CGPA (Cumulative Grade Point Average) are explained with illustrative examples below.

Kindly refer to the below document for calculating SGPA (Semester Grade Point Average) & CGPA (Cumulative Grade Point Average) for your information.

  
29 March 2025  
Dr. Rahul Joshi  
Controller of Examinations  
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## SGPA (GPA) and CGPA Calculation

As per the UGC Guidelines and MIT WPU Examination Ordinance 2022 we recommend the following formulas to calculate SGPA and CGPA:

### Semester Grade Point Average (SGPA)=

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

where  $C_i$  is the number of credits of the  $i^{\text{th}}$  (first semester) course and  $G_i$  is the grade point scored by the student in the  $i^{\text{th}}$  course (first semester).

Simple Way -

$$SGPA (S_i) = \frac{\text{Addition of grade point}}{\text{Total Credits}}$$

### Cumulative Grade Point Average (CGPA)=

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

where  $S_i$  is the SGPA of the  $i^{\text{th}}$  semester (first semester) and  $C_i$  is the total number of credits in that semester.

Simple Way-

$$CGPA = \frac{\{(SGPA \text{ of sem 1} * \text{total credits of sem 1}) + (SGPA \text{ of sem 2} * \text{total credits of sem 2}) + \dots\}}{\text{(total credits of sem 1} + \text{total credits of sem 2} + \dots)}$$

## Grading System- Academic Year 2017-2018 to 2021-2022

### Details of 10 - Point Grade System

Letter Grade	O	A+	A	B+	B	C	P	F	AB	R	DEF	S	NS
	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Fall	Absent	Repeater	Deficit	Satisfactory	Non-Satisfactory
Grade Points	10	9	8	7	6	5	4	0	0	-	-	-	-
Marks Range (%)	80 - 100	70 - 79	60 - 69	55 - 59	50 - 54	45 - 49	40 - 44	< 40	AB	R	DEF	S	NS



## Grading System- Academic Year 2022-2023 onwards

### Details of 10- Point Grade System:

Letter Grade	O	A+	A	B+	B	C	P	F	AB	S	NS	E	R
	Outstanding	Kredit	Very Good	Good	Above Average	Average	Pass	Fail	Absent	Satisfactory	Not Satisfactory	Exempted	Repeater
Grade Points	10	9	8	7	6	5	4	0	0	NA	NA	NA	NA
Marks Range (%)	90-100	80-89	70-79	60-69	50-59	45-49	40-44	0-39	AB	NA	NA	-	-

## SGPA Examples –

### For Regular Student-

Course Credits \*Grade points (refer grading system)

Sr. No.	Course Code	Course Credits	Course Title	Grade Awarded	Grade Point
1	COM2061B	4	Corporate Accounting	A	32
2	COM2062B	4	Auditing	A	32
3	COM2063B	4	Cost and Management Accounting	B+	28
4	COM2064B	3	Tally ERP {Statutory, Taxation & Audit}	B+	21
5	COM2065B	3	Financial Reporting	A+	27
6	COM2067B	3	Organisational Behaviour	B	18
7	WPC2010B	2	Philosophy of Science and Religion/Spirituality	A+	18

Total Credits = 23

Earned Credits = 23

### Calculation-

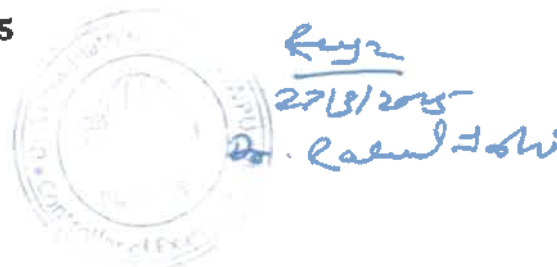
$$SGPA (Si) = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

$$SGPA (Si) = \frac{\text{Addition of grade point}}{\text{Total Credits}}$$

$$SGPA (Si) = \frac{(32 + 32 + 28 + 21 + 27 + 18 + 18)}{(4 + 4 + 4 + 3 + 3 + 3 + 2)}$$

$$SGPA (Si) = \frac{176}{23}$$

$$SGPA (Si) = 7.65$$



For Backlog Student-

Course Credits \*Grade points (refer grading system)

Sr. No.	Course Code	Course Credits	Course Title	Grade Awarded	Grade Point
1	COM2061B	4	Corporate Accounting	A	32
2	COM2062B	4	Auditing	F	0
3	COM2063B	4	Cost and Management Accounting	B+	28
4	COM2064B	3	Tally ERP (Statutory, Taxation & Audit)	B+	21
5	COM2065B	3	Financial Reporting	A+	27
6	COM2067B	3	Organisational Behaviour	B	18
7	WPC2010B	2	Philosophy of Science and Religion/Spirituality	A+	18

Total Credits = 23

Earned Credits = 19

Calculation-

$$SGPA (Si) = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

$$SGPA (Si) = \frac{\text{Addition of grade point}}{\text{Total Credits}}$$

$$SGPA (Si) = \frac{(32 + 0 + 28 + 21 + 27 + 18 + 18)}{(4 + 4 + 4 + 3 + 3 + 3 + 2)}$$

$$SGPA (Si) = \frac{144}{23}$$

$$SGPA (Si) = 6.26$$



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22/3/2025  
*Handwritten name:* Dr. Rahul Joshi

**CGPA Examples- (For Regular student)**

Semester 1					
Sr. No.	Course Code	Course Credits	Course Title	Grade Awarded	Grade Point
1	COM2061B	4	Corporate Accounting	A	32
2	COM2062B	4	Auditing	A	32
3	COM2063B	4	Cost and Management Accounting	B+	28
4	COM2064B	3	Tally ERP {Statutory, Taxation & Audit}	B+	21
5	COM2065B	3	Financial Reporting	A+	27
6	COM2067B	3	Organisational Behaviour	B	18
7	WPC2010B	2	Philosophy of Science and Religion/Spirituality	A+	18
Total Credits- 23			Earned Credits- 23		SGPA = 7.65
CGPA=7.65					

Semester 2					
Sr. No.	Course Code	Course Credits	Course Title	Grade Awarded	Grade Point
1	COM2077B	3	Direct Tax - II	B+	21
2	COM2078B	4	International Tax Laws	B	24
3	COM2079B	4	Commodity Market Operations	A	32
4	WPC2012B	2	Humanities - Ethical, Moral and Social Sciences	A+	18
5	COM4023B	4	Advertising and Sales Promotion	A+	36
6	COM4028B	4	Digital Marketing and Analytics	A+	36
Total Credits- 21			Earned Credits- 21		SGPA=7.95

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

$$CGPA = \frac{\{(SGPA \text{ of sem 1} \times \text{total credits of sem 1}) + (SGPA \text{ of sem 2} \times \text{total credits of sem 2})\}}{\text{(total credits of sem 1 + total credits of sem 2)}}$$

$$CGPA = \frac{\{(7.65 \times 23) + (7.95 \times 21)\}}{(23 + 21)}$$

$$CGPA = \frac{\{(175.95) + (166.95)\}}{(44)}$$

$$CGPA = \frac{342.9}{44}$$

$$CGPA = 7.79$$



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 27/3/2025  
 P. D. Talwar

### CGPA Examples- (For Backlog student)

Semester 1					
Sr. No.	Course Code	Course Credits	Course Title	Grade Awarded	Grade Point
1	COM2061B	4	Corporate Accounting	A	32
2	COM2062B	4	Auditing	A	32
3	COM2063B	4	Cost and Management Accounting	B+	28
4	COM2064B	3	Tally ERP (Statutory, Taxation & Audit)	B+	21
5	COM2065B	3	Financial Reporting	A+	27
6	COM2067B	3	Organisational Behaviour	B	18
7	WPC2010B	2	Philosophy of Science and Religion/Spirituality	A+	18

Total Credits- 23

Earned Credits- 23

SGPA = 7.65

CGPA=7.65

Semester 2					
Sr. No.	Course Code	Course Credits	Course Title	Grade Awarded	Grade Point
1	COM2077B	3	Direct Tax - II	B+	21
2	COM2078B	4	International Tax Laws	F	0
3	COM2079B	4	Commodity Market Operations	A	32
4	WPC2012B	2	Humanities - Ethical, Moral and Social Sciences	A+	18
5	COM4023B	4	Advertising and Sales Promotion	A+	36
6	COM4028B	4	Digital Marketing and Analytics	A+	36

Total Credits- 21

Earned Credits- 17

SGPA= 6.81

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

$$CGPA = \frac{\{(SGPA \text{ of sem 1} * \text{total credits of sem 1}) + (SGPA \text{ of sem 2} * \text{total credits of sem 2})\}}{\text{(total credits of sem 1 + total credits of sem 2)}}$$

$$CGPA = \frac{\{(7.65 * 23) + (6.81 * 21)\}}{(23 + 21)}$$

$$CGPA = \frac{\{(175.95) + (143.01)\}}{(44)}$$

$$CGPA = \frac{318.96}{44}$$

$$CGPA = 7.25$$



*Keyz*  
27/3/2025  
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