

SHIVAJI UNIVERSITY, KOLHAPUR



“A⁺⁺” Accredited by NAAC(2021)

with CGPA 3.52

**Faculty of Interdisciplinary Studies Structure,
Scheme and Syllabus
for Community College (C.C)
Diploma**

PHOTOGRAPHY

Part I- Sem. I & II

(Subject to the modifications that will be made from time to time)

Syllabus to be implemented from June, 2022-2023 onwards

As per National Education Policy 2020

SHIVAJI UNIVERSITY, KOLHAPUR

PROPOSED STRUCTURE AND SYLLABUS (SEMESTER PATTERN)

Diploma Part I – PHOTOGRAPHY

1. TITLE : CC- Part I (PHOTOGRAPHY)
Syllabus (Semester Pattern)

2. YEAR OF IMPLEMENTATION : Syllabus will be implemented from year 2022 – 2023

3. DURATION : CC Part I- Diploma (One Years)

4. PATTERN OF EXAMINATION : Semester Pattern

- Theory Examination – At the end of semester as per Shivaji University Rules
- Practical Examination –
 - i) In the 1st and 2nd semester of there will be internal assessment of practical record, related report submission and project reports.
 - ii) In the second semester of there will be internal practical examination.

5. MEDIUM OF INSTRUCTION : English / Marathi

6. STRUCTURE OF COURSE : CC Part – I

Two Semester Per Year
Two General Papers per year / semester
Three Vocational Papers per Year / Semester
Three Practical papers per Year / Semester
One Project / Industry Visit/ Study Tour / Survey

7. SCHEME OF EXAMINATION :

A) THEORY –

- The theory examination shall be at the end of the each semester.
 - All the general theory papers shall carry 40 marks and all the vocational theory papers shall carry 50 marks.
 - Evaluation of the performance of the students in theory shall be on the basis of semester examination as mentioned above.
 - Question paper will be set in the view of entire syllabus preferably covering each unit of the syllabus.
 - Nature of question paper for Theory examination (excluding Business Communication paper)–
 - i. There will be seven questions carrying equal marks.
 - ii. Students will have to solve any five questions.
- Q. No. 1 : Short answer type question with internal choice (Two out of Three)
- Q. No. 2 to Q. No. 6 : Long answer type questions
- Q. No. 7 : Short Notes with internal choice (Two out of Three)

B) PRACTICAL :

Evaluation of the performance of the students in practical shall be on the basis of semester examination (Internal assessment at the end of the year)

8. STANDARD OF PASSING –

As per the guidelines and rules of Community college

9. STRUCTURE OF THE COURSE :

C.C Part –I (Diploma) Semester –I

Sr.No	Paper No.	Title	Theory/ Practical/ Project	Marks (Total)	Theory	Practical
1	I	English for Business Communication(Part I)	Theory	50	40	10
2	II	Foundation Photography	Theory	50	40	10
3	III	Photography Techniques Part – I	Theory	50	50	-
4	IV	Basic Photoshop	Theory	50	50	-
5	V	Composition of Videography	Theory	50	50	-
6	VI	Laboratory Work Paper No. III	Practical	50	-	50
7	VII	Laboratory Work Paper No. IV	Practical	50	-	50
8	VIII	Laboratory Work Paper No. V	Practical	50	-	50
9	IX	Project	Practical	50	-	50

C.C Part –I (Diploma) Semester –II

Sr.No	Paper No.	Title	Theory/ Practical/ Project	Marks (Total)	Theory	Practical
1	X	English for Business Communication(Part II)	Theory	50	40	10
2	XI	Applied Physic & Photography	Theory	50	40	10
3	XII	Photography Technique - II	Theory	50	50	-
4	XIII	Photo Editing	Theory	50	50	-
5	XIV	Accessories	Theory	50	50	-
6	XV	Laboratory Work Paper No. XII	Practical	50	-	50
7	XVI	Laboratory Work Paper No. XIII	Practical	50	-	50
8	XVII	Laboratory Work Paper No. XIV	Practical	50	-	50
9	XVIII	Project	Practical	50	-	50

10. SCHEME OF TEACHING :

C.C Part –I (Diploma) Semester –I

Sr.No	Paper No	Title	Distrubution Of Workload		
			Theory	Practical	Total
1	I	English for Business Communication (Part I)	4	2	6
2	II	Foundation Photography	4	2	6
3	III	Photography Techniques Part – I	4	-	4
4	IV	Basic Photoshop	4	-	4
5	V	Composition of Videography	4	-	4
6	VI	Laboratory Work Paper No. III	-	4	4
7	VII	Laboratory Work Paper No. IV	-	4	4
8	VIII	Laboratory Work Paper No. V	-	4	4
9	IX	Project	-	-	-
			20	16	36

C.C Part –I (Diploma) Semester –II

Sr.No	Paper No	Title	Distrubution Of Workload		
			Theory	Practical	Total
1	X	English for Business Communication (Part II)	4	2	6
2	XI	Applied Physic & Photography	4	2	6
3	XII	Photography Technique - II	4	-	4
4	XIII	Photo Editing	4	-	4
5	XIV	Accessories	4	-	4
6	XV	Laboratory Work Paper No. XII	-	4	4
7	XVI	Laboratory Work Paper No. XIII	-	4	4
8	XVII	Laboratory Work Paper No. XIV	-	4	4
9	XVIII	Project	-	-	-
			20	16	36

11. Eligibility for Admission : 10 + 2 from any faculty

Eligibility for Faculty :

Below qualified teachers are eligible for Diploma in Photography :

- GD Art (Special Subject in Photography)
- Diploma in Photography
- B.voc in Photography

Eligibility for Lab Assistant : Graduation with related field

12. Staffing Pattern :

Teaching : In the 1st year of CC. – One Full Time, One C.H.B
One C. H. B. for Business Communication

Lab. Assistant : For 1st Year of CC. – One C.H.B

Paper – I: Business Communication-I

Total Workload: 06 lectures per week of 60 mins.

Distribution of Workload:

Theory: 04 lectures per week

Practical: 02 lectures per week per batch of 20 students

Units Prescribed for Theory: 40 Marks.

Unit 1: Use of English in Business Environment

Topics:

- Business Vocabulary: Vocabulary for banking, marketing and for maintaining public relations
- What is a sentence?
- Elements of a sentence
- Types of sentence: Simple, compound, complex

Unit 2: Writing a Letter of Application and CV/ Resume

Topics:

- Structure of a letter of application for various posts
- CV/ Resume and its essentials

Unit 3: Presenting Information/Data

Topics:

- Presenting information/data using graphics like tables, pie charts, tree diagrams, bar diagrams, graphs, flow charts

Unit 4: Interview Technique

Topics:

- Dos and don'ts of an interview
- Preparing for an interview
- Presenting documents
- Language used in an interview

Practical: Based on the theory units 10 Marks.

Reference Books:

- Sethi, Anjane & Bhavana Adhikari. Business Communication. New Delhi: Tata McGraw Hill
 - Tickoo, Champa & Jaya Sasikumar. Writing with a Purpose. New York: OUP, 1979.
 - Sonie, Subhash C. Mastering the Art of Effective Business Communication. New Delhi: Student
 - Aid Publication, 2008.
 - Herekar, Praksh. Business Communication. Pune: Mehta Publications, 2007.
 - Herekar, Praksh. Principles of Business Communication. Pune: Mehta Publications, 2003.
 - Rai, Urmila & S. M. Rai. Business Communication. Himalaya Publishing House, 2007.
 - Pradhan, N. S. Business Communication. Mumbai: Himalaya Publishing House, 2005.
 - Pardeshi, P. C. Managerial Communication. Pune: Nirali Prakashan, 2008.
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Pattern of a Question Paper
CC. Part-I
Business Communication-I
Semester –I Paper: I

Time: 2 hours

Total Marks: 40

Q. 1 Do as directed. Question items on Unit 1 to be asked.

10

(10 out 12)

Q. 2 Write a letter of application.

10

OR

Draft a CV/ Resume for a particular post.

Q. 3 Present a given information or data using a table/ chart/ pie diagram, etc.

10

(Any one diagram to be drawn.)

Q. 4 Fill in the blanks in the given interview.

10

Practical Evaluation: 10 Marks

Oral and Presentation based on the units prescribed.

CC. Part-I
Foundation Photography
Semester –I Paper: II

Total Workload: 06 lectures per week of 50 mins.

Distribution of Workload:

Theory: 04 lectures per week

Practical: 02 lectures per week per batch of 20 students

A) Units Prescribed for Theory: (50 marks)

Unit 1 : History of Photography

Topics :

- Introduction of Photography
- Revaluation of Cameras
- Basic settings of Camera

Unit 2 : Science behind Image Formation

- Basic types of optics using in lances
- Introduction to western Philosophy

Unit 3 : Arrangement of framing styles

- Position of camera & operater
- Composition of Photography
- Finding Story
- Creating Story

Unit 4 : Understanding Lights

- Understanding light direction & reflection
- Creating social awareness
- Developing Eyes
- Types of Photography

(B) Practicals (Based on the above Units) :

1. Visit to Industry
2. Oral / Seminar

Text Books/Reference Books/ Other Books/E-material/Paper

Sr. No	Title	Author	Publisher	Edition	Year of Edition
1	Digital Photography	Dr. JitendraKater	Generic-2011	-	2015
2	Digital Photography- Camera & Photography	Dr. JitendraKater	Generic-2011	-	2015
3	Western Maharashtra	Raman Kulkarni	Maharashtra Ecotourism Development Board, Nagpur	-	2018
4	The Beginner Photography Guide	D.K.	Dorling Kindersley ltd.	-	2016

CC. Part-I
Photography Techniques part – I
Semester –I Paper: III

Total Workload: 04 lectures per week of 60 mins.

Distribution of Workload:

Theory: 04 lectures per week

A) Units Prescribed for Theory: (50 Marks)

Unit 1 : Lighting Basics

Topics:

- Nature of light
- Different properties of lights
- Different instruments of lights

Unit 2 : Portrait Lighting Patterns

Topics:

- Creative lighting introduction
- The basic principles of Light reflection and their intensity .
- Split light, loop light, Rembrandt light, butterfly lighting

Unit 3 : Photographic Optics

Topics:

- Camera lenses
- Lenses types – properties – aberrations
- Technical Development

Unit 4 : Arrangement of light

Topics:

- various methods of creating light for photography
- Image sensors – different types working
- Science behind image formation in human camera

Text Books/Reference Books/ Other Books/E-material/Paper

Sr. No	Title	Author	Publisher	Edition	Year of Edition
1	On Photography	Susan Sontag	Farrar, Straus and Giroux	-	1977
2	Handbook of Photography	Cengage Learning	Thompson Delmar Learning	-	2006
3	Painting With Light	John Alton	Pearson Education	-	2008
4	"Principles of Compiler Design"	Alfred V Aho	Narosa Publishing House	-	2002

CC. Part-I Basic Photoshop

Semester –I Paper: IV

Total Workload: 04 lectures per week of 60 mins.

Distribution of Workload:

Theory: 04 lectures per week

A) Units Prescribed for Theory: (50 Marks)

Unit 1: History of Photoshop

Topics:

- Introduction of photoshop
- Need of editing

Unit 2: Work with the start workspace

Topics:

- Tools pannels
- History panels
- Color panels
- Creative cloud libraries
- Layers panels

Unit 3: Creating Document

Topics:

- Use basic Tools
- Default key board shortcuts
- Menu bar

Unit 4: Use of different effects

Topics:

- Filters
- Define brush
- Colors pixel
- Ground

Text Books/Reference Books/ Other Books/E-material/Paper

Sr. No	Title	Author	Publisher	Edition	Year of Edition
1	Sampurn Photoshop	SouSujataAthavale, NarendraAthavale	Vedika Enterprises	-	2016
2	Photoshop for Lightroom User	Scott Kelvy	New Riders	-	2013
3	Master In Photoshop	Solition web tech. Inc.	Khanna Publisher	-	-

CC. Part-I
Paper V: Composition of Videography
Semester –I

Total Workload: 04 lectures per week of 60 mins.

Distribution of Workload:

Theory: 04 lectures per week

A) Units Prescribed for Theory: (50 Marks)

Unite 1 : Introduction of software

Topics:

- About Premier Pro software.
- About Photoshop
- Impotency of editing for photo
- Impotency of editing for Video

Unite 2 : Editing Tools

Topics:

- Frame rate
- Introduction of Photoshop
- Editing Tools & Timeline
- Menu bar

Unite 3 : External Editing Sources

Topics:

- Filters for photo
- Filters for Video
- fix setup for photo
- fix setup for Video
- Repeat Conversion

Unite 4 : Creativity

Topics:

- Palates
- Default key board shortcuts
- Import & Export
- Creating Presets
- Define tools
- Sizing of Image
- Timeline ratio
- Grounds
- Pixel average
- Layer style

Text Books/Reference Books/ Other Books/E-material/Paper

Sr. No	Title	Author	Publisher	Edition	Year of Edition
1	Sampurn Photoshop	Sou Sujata Athavale, Narendra Athavale	Vedika Enterprises	-	2016
2	Photoshop for Lightroom User	Scott Kelvy	New Rider	-	2013
3	Master In Photoshop	Solition web tech. Inc.	Khanna Publisher	-	-
4	Professional Video Editing with Keyboard Shortcuts	Books UC	Createspace Independent Publishing Platform	-	2010
5	Editing Digital Video PAP/CDR Edition	Goodman Robert	McGraw-Hill Education – Europe	-	2008
6	Editing Digital Film	Fowler Jaime	Taylor & Francis Ltd	-	2000
7	Video Field Production and Editing	Compesi Ronald J.	Taylor & Francis Ltd	-	2009
8	Final Cut Express HD 3.5 Editing Workshop	Wolsky Tom	Taylor & Francis Ltd	-	2012

PAPER NO. – VI :- Laboratory Work – Paper No. III

Total Marks – 50 Practical : 4 lectures / week/per batch

Practicals :

- Frame Management
- Identify 5 Light
- Exposure
- Use Camera Modes
- Studio Light Arrangement
- Use of Different light Patterns
- Use of Different types of lenses
- Studio Techniques

PAPER NO. – VII :- Laboratory Work – Paper No. IV

Total Marks – 50 Practical : 4 lectures / week/per batch

Practical :

- Editing Tools
- Organizing Layers
- Retouching Images
- Use the history tool
- Use the brush tool
- Image Manipulation
- Use the crop tool
- Use the eraser tools to clean up & selection

FOR PAPER NO. – VIII :- Laboratory Work – Paper No. V

Total Marks – 50 Practical : 4 lectures / week/per batch

Practical :

- External Editing Sources
- Identify accessories of camera
- Set – up camera
- basic lighting set - up
- Shoot on auto mode
- Creativity
- Editing Tools

Internal practical evaluation 50 marks

- i) Submission of practical record book =20 marks
 - ii) Submission of visit report =15 marks
 - iii) Viva-voce 15 =marks
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CC. Part-I
Paper X: English for Business Communication-II
Semester –II

Total Workload: 06 lectures per week of 50 mins. (45 Lectures)

Distribution of Workload:

Theory: 04 lectures per week

Practical: 02 lectures per week per batch of 20 students

Units Prescribed for Theory: (50Marks)

Unit 1: Group Discussion

Topics:

- Preparing for a Group Discussion
- Initiating a Discussion
- Eliciting Opinions, Views, etc.
- Expressing Agreement/ Disagreement
- Making Suggestions; Accepting and Declining Suggestions
- Summing up.

Unit 2: Business Correspondence

Topics:

- Writing Memos, e-mails, complaints, inquiries, etc.
- Inviting Quotations
- Placing Orders, Tenders, etc.

Unit 3: English for Negotiation

Topics:

- Business Negotiations
- Agenda for Negotiation
- Stages of Negotiation

Unit 4: English for Marketing

Topics:

- Describing/ Explaining a Product/ Service
- Promotion of a Product
- Dealing/ bargaining with Customers
- Marketing a Product/ Service: Using Pamphlets, Hoardings, Advertisement, Public Function/ Festival

Reference Books:

Herekar, Praksh. *Business Communication*. Pune: Mehta Publications, 2007.

Herekar, Praksh. *Principals of Business Communication*. Pune: Mehta Publications, 2003.

John, David. *Group Discussions*. New Delhi: Arihant Publications.

Kumar, Varinder. *Business Communication*. New Delhi: Kalyani Publishers, 2000.

Pardeshi, P. C. *Managerial Communication*. Pune: NiraliPrakashan, 2008.

Pradhan, N. S. *Business Communication*. Mumbai: Himalaya Publishing House, 2005

Rai, Urmila & S. M. Rai. *Business Communication*. Mumbai: Himalaya Publishing House, 2007.

Sethi, Anjanee & Bhavana Adhikari. *Business Communication*. New Delhi: Tata McGraw Hill.

Sonie, Subhash C. *Mastering the Art of Effective Business Communication*. New Delhi: Student Aid Publication, 2008.

CC. Part-I
Paper XI : Applied Physic & Photography
Semester –II

Total Workload: 06 lectures per week of 50 mins. (45 Lectures)

Distribution of Workload:

Theory: 04 lectures per week

Practical: 02 lectures per week per batch of 20 students

A) Units Prescribed for Theory: (50Marks)

Unit 1 : Creative lighting introduction

Topics:

- Highlight & Shadow
- Motion Blur Picture

Unit 2: Understanding ambience lights

Topics:

- Ambiance Direction & reflection
- Light Sensitivity

Unit 3 : Understanding Indoor lights

Topics:

- Introduction Studio light Instruments
- Indoor Light Direction & reflection

Unit 4 : Flash Techniques

Topics:

- High speed synchronization

(B) Practicals (Based on the above Units) :

1. Visit to Industry
2. Oral / Seminar

Text Books/Reference Books/ Other Books/E-material/Paper

Sr. No	Title	Author	Publisher	Edition	Year of Edition
1	Digital Photography	Dr. JitendraKater	Generic-2011	-	2015
2	Digital Photography- Camera & Photography	Dr. JitendraKater	Generic-2011	-	2015
3	Western Maharashtra	Raman Kulkarni	Maharashtra Ecotourism Development Board, Nagpur	-	2018
4	The Beginner Photography Guide	D.K.	Dorling Kindersley ltd.	-	2016

CC. Part-I
Paper XII : PHOTOGRAPHY TECHNIQUES - II
Semester –II

Total Workload: 04 lectures per week of 60 mins.

Distribution of Workload:

Theory: 04 lectures per week

A) Units Prescribed for Theory: (50Marks)

Unit 1 : Introduction of Light Pattern

Topics:

- creating glamour, split, butterfly light, rembrandt light, Rim light,
- Understand the colors of light and creating innovative image frame

Unit 2 :Working with light Pattern

Topics:

- Key light photoshoot
- Fill light photoshoot

Unit 3: Understanding Key Light photoshoot

Topics:

- High key photoshoot
- Low key photoshoot

Unit 4 : Formulas

Topics:

- 8 by 8 Formula
- 16 by 16 Formula
- Outdoor motion picture

Text Books/Reference Books/ Other Books/E-material/Paper

No	Title	Author	Publisher	Edition	Year of Edition
1	Digital Photography	Dr. JitendraKater	Generic-2011	-	2015
2	Digital Photography- Camera & Photography	Dr. JitendraKater	Generic-2011	-	2015
3	Western Maharashtra	Raman Kulkarni	Maharashtra Ecotourism Development Board, Nagpur	-	2018
4	The Beginner Photography Guide	D.K.	Dorling Kindersley ltd.	-	2016

CC. Part-I
Paper XIII : Photo Editing
Semester –II

Total Workload: 04 lectures per week of 60 mins.

Distribution of Workload:

Theory: 04 lectures per week

A) Units Prescribed for Theory: (50Marks)

Unit 1: Image Layouts

Topics:

- Basic Techniques
- ID packaging
- Sizing

Unit 2: Color scheme management

Topics:

- Color correction
- Level control
- Action

Unit 3 : Intoroduction lightroom

Topics:

- HDR
- Necessary of Filter
- Masking
- Bleding option

Unit 4: Advance Techniques of Designing

Topics:

- Photo merge
- Black & white to color
- Image Editing

Text Books/Reference Books/ Other Books/E-material/Paper

No	Title	Author	Publisher	Edition	Year of Edition
1	Sampurn Photoshop	SouSujataAthavale, NarendraAthavale	Vedika Enterprises	-	2016
2	Photoshop for Lightroom User	Scott Kely	New Riders	-	2013
3	Master In Photoshop	Solition web tech. Inc.	Khanna Publisher	-	2018

CC. Part-I
Paper XIV : Accessories
Semester –II

Total Workload: 04 lectures per week of 60 mins.

Distribution of Workload:

Theory: 04 lectures per week

A) Units Prescribed for Theory: (50Marks)

Unit 1 : Video Footage Management

Topics:

- Clip Rendering
- Time Duration
- Split Video
- Trim Video

Unite 2 : Types of adjustments

Topics:

- Pan & Zoom Video
- Text Style
- Graphics
- Vignette control
- Light Adjustment
- Mixer
- Equalizer
- Corporate Cropping
- Sizing

Unite 3 : Preparation for Mixing

Topics:

- White Balancing
- Exposure Control
- Action
- Plug-in
- Filter
- Pallets
- Masking
- Blending option
- Nik Collection

Unite 4: Outputs

Topics:

- HDR
- Photo merge
- Black & White to Color
- Colour Lookup
- Hue/ Saturation
- Level, Curves, Contrast, Brightness
- Highlights & Shadow
- Blending Modes
- Adjustment Layer

Text Books/Reference Books/ Other Books/E-material/Paper

Sr. No	Title	Author	Publisher	Edition	Year of Edition
1	Editing Digital Video	Goodman Robert	McGraw-Hill Education - Europe	-	1999
	Professional Video Editing with Keyboard Shortcuts	Books U C	Createspace Independent Publishing Platform	-	2018
	Film and Video Editing	Crittenden Roger	Taylor & Francis Ltd	-	2019
	Video Field Production and Editing	Compesi Ronald J.	Taylor & Francis Ltd	-	2016
2	Photoshop for Lightroom User	Scott Kelvy	New Riders	-	2013
3	Master In Photoshop	Solition web tech. Inc.	Khanna Publisher	-	2018

PAPER NO. – XV :- Laboratory Work – Paper No. XII

Total Marks – 50 Practical : 4 lectures / week/per batch

Practical :

- True Colors
- Defusing Light
- Working with key light
- Working with fill light
- Creating glamour lighting
- Butterfly photoshoot
- Split photoshoot
- Indoor / outdoor photoshoot with lighting accessories

PAPER NO. – XVI :- Laboratory Work – Paper No. XIII

Total Marks – 50 Practical : 4 lectures / week/per batch

Practical :

- Motion Control
- Rendering
- Use of filters
- Masking
- Black & white to colour
- Use the history panel to undo image changes
- Image Editing
- Dripping point text exercise

PAPER NO. – XVII :- Laboratory Work – Paper No. XIV

Total Marks – 50 Practical : 4 lectures / week/per batch

Practical :

- Mixing
- Layout
- Output
- Necessary of editing
- Use of filters
- Use of editing tools
- Shoot video indoor / outdoor
- Shoot video for event

Internal practical evaluation 50 marks

- i) Submission of practical record book =20 marks
 - ii) Submission of visit report =15 marks
 - iii) Viva-voce 15 =marks
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Annexure I

Standard of Passing :

- A.** For Diploma Programme total credits shall be 60 with 30 credits for each semester. There shall be 12 credits for theory and 18 credits for practical per semester.
- B.** Subject wise credits are mentioned in the concerned syllabus of every Diploma Programme.
- C.** The standard of passing shall be 35% where the student will have to score 18 marks out of 50, 14 marks out of 40 and 4 marks out of 10.

Awards of Certificate :

- Diploma is a two semester integrated course spread over the period of 1 year. The diploma will be 1 year integrated course commencing from the year as mentioned below:
Diploma Part – I : Semester I & II – Diploma (CC)
- After successful completion of one year (Semester I & II) the candidate will get Diploma.

Scheme of mark:

Grading chart:

A. Grading chart of 50 points:

Sr. No.	Marks Obtained	Numerical grade (grade point)	CGPA	Letter grade
1	Absent	0 (Zero)	-	-
2	0-17	0 (Zero)	0.0-4.99	F (Fail)
3	18-22	5	4.50-5.49	C (Satisfactory)
4	23-27	6	5.50-6.49	B (Average)
5	28-32	7	6.50-7.49	B+ (Good)
6	33-37	8	7.50-8.49	A (Very Good)
7	38-42	9	8.50-9.49	A+ (Excellent)
8	43-50	10	9.50-10.00	O (Outstanding)

Note:

- i. Marks obtained ≥ 0.5 shall be rounded off to next higher digit.
- ii. The SGPA & CGPA shall be rounded off to 2 decimal points.
- iii. Marks obtained in 50 marks or 200 marks paper shall be converted to 100 marks.

Calculation of SGPA & CGPA

1. Semester Grade Point Average (SGPA)

$SGPA = \frac{\Sigma(\text{Course Credits} \times \text{Grade Points Obtained}) \text{ of a semester}}{\Sigma(\text{course credits}) \text{ of respective semester}}$

2. Cumulative Grade Point Average (CGPA)

$CGPA = \frac{\Sigma(\text{Total Credits of A Semester} \times \text{SGPA of Respective Semester}) \text{ of all semesters}}{\Sigma(\text{Total Course Credits}) \text{ of all semester}}$