

**SYLLABUS STRUCTURE
FOR
DIPLOMA IN
COMPUTERIZED ART & SKETCH**

SHIVAJI UNIVERSITY, KOLHAPUR



**Faculty of Interdisciplinary Studies Structure,
Scheme and Syllabus
for Bachelor of Vocation (B.Voc)
Diploma**

COMPUTERIZED ART AND SKETCH

Part I- Sem. I & II

(Subject to the modifications that will be made from time to time)
Syllabus to be implemented from 2020-2021 onwards.

SHIVAJI UNIVERSITY, KOLHAPUR

PROPOSED STRUCTURE AND SYLLABUS (SEMESTER PATTERN)

Bachelor of Vocation (B. Voc.) Part I – Computerised Sketch and Arts

1. TITLE : B. Voc. Part I (Computerised Sketch and Arts) Syllabus (Semester Pattern)

2. YEAR OF IMPLEMENTATION : Syllabus will be implemented from Academic Year 2020-2021

3. DURATION : B. Voc. Part I, II and III (Three Years) B. Voc. Part I - Diploma (First Year) B. Voc. Part II - Advanced Diploma (Second Year) B. Voc. Part III – Degree (Third Year)

4. PATTERN OF EXAMINATION : Semester Pattern • Theory Examination – At the end of semester as per Shivaji University Rules • Practical Examination

i) In the 1st, 3rd and 5th semester of B. Voc. there will be internal assessment of practical record, related report submission and project reports.

ii) In the second semester of B. Voc. I there will be internal practical examination.

iii) In the 4th and 6th semester of B. Voc. There will be external practical examination at the end of the semester.

5. MEDIUM OF INSTRUCTION : English / Marathi

6. STRUCTURE OF COURSE : B. Voc. Part – I, II and III 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)

PRACTICAL : Evaluation of the performance of the students in practical shall be on the basis of semester examination (Internal assessment at the end of I, III and V Semester and external examination at the end of IV and VI semester as mentioned separately in each paper.

STANDARD OF PASSING :

As per the guidelines and rules of B. Voc. (Attached separately – Annexure I)

8. STRUCTURE OF THE COURSE

B. Voc. Part I (Diploma) Semester – I

Sr.No.	Paper No.	Title	Theory/Practical /Project	Marks (450)	Theory	Practical
1.	I	Business Communication –I	Theory	50	40	10
2.	II	Drawing/Sketching- I	Theory / Practical	50	40	10
3.	III	Elements of Art and Priciple of design	Theory	50	50	-
4.	IV	History Of Graphic Design	Theory	50	50	-
5.	V	Color Theory – I	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	Project	50	-	50

B. Voc. Part I (Diploma) Semester – II

Sr.No.	Paper No.	Title	Theory/Practical /Project	Marks (450)	Theory	Practical
10.	X	Business Communication –II	Theory	50	40	10
11	XI	Drawing/Sketching- II	Theory / Practical	50	40	10
12.	XII	Typography	Theory	50	50	-
13	XIII	Perspective	Theory	50	50	-
14	XIV	Color Theory-II	Theory	50	50	-
15	XV	Laboratory Work Paper No.XII	Practical	50	-	50
16	XVI	Laboratory Work Paper No.XIII	Practical	50	-	50
17	XVII	Laboratory Work Paper No.XIV	Practical	50	-	50
18	XVIII	Project	Project	50	-	50

SCHEME OF TEACHING :**B. Voc. Part I (Diploma) Semester – I**

Sr.No.	Paper No.	Title	Distribution of workload		
			Theory	Practical	Total
1	I	Business Communication –I	4	2	6
2	II	Drawing/Sketching-I	4	2	6
3	III	Elements of Art and Principle of design	4	-	4
4	IV	History Of Graphic Design	4	-	4
5	V	Color Theory – I	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

B. Voc. Part I (Diploma) Semester – II

Sr.No.	Paper No.	Title	Distribution of workload		
			Theory	Practical	Total
10	I	Business Communication –II	4	2	6
11	II	Drawing/Sketching-II	4	2	6
12	III	Typography	4	-	4
13	IV	Perspective	4	-	4
14	V	Color Theory – II	4	-	4
15	VI	Laboratory Work Paper No.III	-	4	4
16	VII	Laboratory Work Paper No.IV	-	4	4
17	VIII	Laboratory Work Paper No.V	-	4	4
18	IX	Project	-	-	-
			20	16	36

Eligibility for Admission : 10 + 2 from any faculty or equivalent Diploma / Advanced Diploma in any related stream.

Eligibility for Faculty : B.Voc, M.voc, GD art, BFA, MFA

Eligibility for Lab Assistant : Graduation with related field

Staffing Pattern

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

Lab. Assistant : For 1st Year of B. Voc. – 1 C.H.B For 2nd and 3rd Year (Inclusive of 1st Year) of B. Voc. – 3 Full Time

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 :

Sr. No	Title	Author	Publisher	Year of Edition
1	“Mastering the Art of Effective Business Communication”	Sonie, Subhash C.	Student Aid Publication	2008.
2	“ Business Communication”	Urmila& S. M. Rai	Himalaya Publishing House	2007
3	" Group Discussions.”	Stephen Quiller	John, David.	2002
4	"Writing with a Purpose. "	Champa& Jaya Sasikumar	New York	1979

Pattern of a Question Paper
B. Voc. 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.

**Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper II**

Drawing / Sketching - 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 : Pencil Work

Unit 2 : Drawing With Different type of Pencil

Unit 3: Drawing with Colors

Unit 4: Types of Drawing

Practical :

Basic Sketches.

Create Hand Made 3D Models

Presentation of basic works created by students.

Creative Handmade Presentation of work

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	“Keys to Drawing”	Bert Dodson	Penguin Publishing Group.	1990
2	“Drawing for the Absolute Beginner”,	Mark Willenbrink	North Light Books	2006

**Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper III**

Elements of Art and Principles of Design

Total Workload: 06 lectures per week of 60 mins.

Distribution of Workload:

Theory:04 lectures per week

Units Prescribed for Theory:50 Marks.

Unit 1 : Basic Elements

Topics:

Line

Shape

Form

Texture

Perspective

Color

Unit 2 : Principles of Design

Topics:

Balance and Alignment

Emphasis

Contrast

Proportion

Movement and White Space

Unit 3 : Creative Thinking

Topics:

Provide an overview of how the ideas in this course illuminate understanding of all two dimensional art including drawing, painting, printing, photography, graphic design, and 3D modeling..etc

Developing your vocabulary in art to be able to articulate visual ideas more fully.

Unit 4 : Visual Art

Topics:

Rhythm

Repetition

Pattern

Grouping and Interruption

Similarity figure and ground

Structure, Gradation, Radiation

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	"Elements of Indian Art"	S. P. Gupta	D. K. Print World Ltd.	2004
2	"The Elements",	Alpna Kataria	World Art Community	2003
3	"Digital Design",	Wakerly	Pearson Education	2008
4	"Principles of Compiler Design"	Alfred V Aho	Narosa Publishing House	2002

**Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper IV**

HISTORY OF GRAPHIC DESIGN

Total Workload: 06 lectures per week of 60 mins.

Distribution of Workload:

Theory:04 lectures per week

Units Prescribed for Theory:50 Marks.

Unit 1: Material History of Indian Art

Topics:

Sculpture

Wall Painting

Miniature Painting

Unit 2 : Art of Mauryan Period

Topics:

Masrah lion

Mauryan Statue

Lohanipur Torso

Yakshi

Unit 3 : Historical Themes

Topics:

Abstract Art

Abstract Figure

Unit 4 : Caves

Topics:

Bhimbetka Caves

Ajanta Caves

Elephanta Caves

Karla Caves

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	"History of Graphic Design",	Jens Muller	Taschen GmbH	2007
2	"Meggs' History of Graphic Design",	Philip B. Meggs	John Wiley & Sons	2016
3	"Graphy Design History",	Georgette Ballance	Allworth	2001

Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper V
COLOR THEORY - I

Total Workload: 06 lectures per week of 60 mins.

Theory:04 lectures per week

Units Prescribed for Theory:50 Marks.

Unit 1 : Color Theory

Topics:

Understand the relationship between Value, Hue, Chroma-Show and discern incremental differences in value gradation and match color values to an established gray scale. Show High/Low Value and High/Low Chroma.

The Physics of Color: Color Systems-the Color Wheel: Munsell, Goethe, Runge, Itten.

Theories of Color Relationships/Harmonies: Monochromatic, Analogous, Diad, Triad, Tetrad, Complementary, Split Complementary, Achromatic, and Polychromatic.

Theories of Successive and Simultaneous Contrast. Additive and Subtractive color.

Unit 2: Color Mixing

Topics:

Value/Brilliance Scale, Color wheel. Tetrad and Complementary Color. Neutralize color through Complementary color mixes. Split complementary color mixes. Match any given color.

Color Symbolism, Color Psychology, Historical& Contemporary use of Color.

Local Color and subjective use of color. Emotional effects Personal Color preferences.

Unit 3: Color Preception and Phenomenology

Topics:

Demonstrate ability to change face of one color by adjusting light, adjacent color, and/or reflective color. Make one Color Appear as two, One Color Appears as the opposite ground, Two Colors Appear as one color.

Unit 4: Compositional Effects of Color

Topics:

Illustrate the application of color in three different color harmonies on a repeat side to side pattern of one's original design.

Illustrate understanding of color proportion and extension.

Develop and demonstrate ability to recognize color harmonies and proportions of color used by designers in existing spaces.

Final project: Develop three original color schemes for interior or exterior spaces.

Develop more mature and varied colour skills using Graphic Software.

Projects will be assigned to study exact color effect on paper and computer.

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	"Color"	Mr. Betty Edwards	Penguin USA	2004
2	"Color Theory"	Patti Mollica	Walter Foster Publishing	2013
3	"Color Choices"	Stephen Quiller	Watson-Guptill	2002
4	"Color Scheme Bible"	Anna Starmer	Firefly Books Ltd.	2006

Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper VI
Laboratory Work Paper No.III

Total Marks : 50

Practical : 4 lectures / week/per

Batch : 20 students

Practicals:

Basic Drawing

Basic Sketches

Basic Coloring

Corel Draw

- Basic

- Tool Bar

- Property Bar

Process of Digital Design

Use of Elements for Creation of Design

Colour Scheme Implementation

Basic Layout

Designing and Effects

Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper VII
Laboratory Work Paper No.IV

Total Marks : 50

Practical : 4 lectures / week/per

Batch : 20 students

Practicals :

Visiting Card Design

Letterhead

Envelope

ID Card design

One Fold Flyer

Two Fold Flyer

Photo Finishing

Puppet Wrap

Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper VIII
Laboratory Work Paper No.V

Total Marks : 50

Practical : 4 lectures / week/per

Batch : 20 students

Practicals :

Broucher Design

Standee

Invitation Card

Creative Invitation Card

Magazine

Advertising Magazine

News paper Advertisement

Voucher

Receipt

Bachelor of Vocation (B.Voc.) Part I – Sem I
Paper IX
Project

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

SEM - II

Bachelor of Vocation (B.Voc.) Part I – Sem II
Paper X
English For Business Communication- II

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 5 : Group Discussion

Topics:

Preparing for a Group Discussion

Initiating a Discussion

Eliciting Opinions, Views, etc.

Expressing Agreement/ Disagreement

Making Suggestions; Accepting and Declining Suggestion Summing up.

Unit 6 : Business Correspondence

Topics:

Writing Memos, e-mails, complaints, inquiries, etc.

Inviting Quotations

Placing Orders, Tenders, etc.

Unit 7 : English for Negotiation

Topics:

Business Negotiations

Agenda for Negotiation

Stages of Negotiation

Unit 8 : 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

Practical: Based on the theory units 10 Marks.

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	“Business Communication”	Herekar, Praksh	Mehta Publications	2007.
2	“Principals of Business Communication”	Herekar, Praksh	Mehta Publications	2003
3	" Group Discussions.”	Stephen Quiller	John, David.	2002
4	" Managerial Communication. "	Pardeshi, P. C.	NiraliPrakashan	2008

Bachelor of Vocation (B.Voc.) Part I– Sem II
Paper XI
Drawing / Sketching - II

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 : Object Drawing

Unit 2 : 2D/3D Drawing

Unit 3: Outdoor Drawing

Unit 4: Landscape Drawing

Practical:

Creative Display of work completed by students

Corporate Stationery

Eye Level Study of Perspective

Presentation of assignments completed by students

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	“Drawing on the Right Side Of The Brain”	Betty Edwards	Penguin Publishing Group.	1979
2	“Perspective Made Easy”	Ernest Ralph Norling	Dover Publications	1999

Bachelor of Vocation (B.Voc.) Part I– Sem II
Paper XII
Typography

Total Workload : 06 lectures per week of 60 mins.

Distribution of Workload :

Theory :04 lectures per week

Units Prescribed for Theory:50 Marks.

Unit 1 : History of Typography

Topic :

Johannes Gutenberg
Roman Influence

Unit 2 : Type Properties

Topics:

Baseline
4dp Grid
Cap Height
X-Height
Ascenders and Descenders

Unit 3 : Type Classification

Topics:

Serif
Sans Serif
Monospace
Handwriting

Unit 4 : Readability

Topics:

Letter Spacing
Line Length
Line Height
Type Aligned(left,right,centered)

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	"Thinking with type",	Ellen Lupton	Princeton Architectural Press	2010
2	"New Perspectives in Typography",	Scott Williams	Laurence King Publishing	2015
3	"The Elements of Typography Style"	Robert Bringhurst	Hartley & Marks	2013
4	"Typography"	Ruari McLean	Thames & Hudson Ltd.	1980

Bachelor of Vocation (B.Voc.) Part I– Sem II
Paper XIII
Perspective

Total Workload : 06 lectures per week of 60 mins.

Distribution of Workload :

Theory :04 lectures per week

Units Prescribed for Theory:50 Marks.

Unit 1 : Meaning of Perspective

Topics:

Two Dimensional(2D)

Three Dimensional(3D)

Unit 2 : Types of Perspective

Topics:

One Point Perspective

Two Point Perspective

Three Point Perspective

Unit 3 : Perspective (geometry)

Topics:

Perspective from a Line

Perspective from a Point

Unit 4 : Vanishing Points

Topics:

Orthogonal Lines

Transversal Lines

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	“Perspective Drawing Handbook”,	Joseph D'Amelio	Dover Publications Inc.	2004
2	“Perspective Drawing for Beginners”,	Len A. Doust	Dover Publications Inc.	2006
3	"Perspective",	Milind Mulick	Jyotsna Prakashan	2006

Bachelor of Vocation (B.Voc.) Part I – Sem II
Paper XIV
Color Theory - II

Total Workload : 06 lectures per week of 60 mins.

Distribution of Workload :

Theory :04 lectures per week

Units Prescribed for Theory:50 Marks.

Unit 5 : Itten Theory

Topics:

Color Wheel

Artists Color Wheel

Light, Moderate and dark value.

Unit 6 : Color System

Topics

Subtractive Colors (CMYK)

Additive Colors (RGB)

Unit 7 : Color Harmonies

Topics:

Complementary Colors

Split Complementary Colors

Analogous Colors

Triadic Harmonies

Monochromatic Harmonies

Unit 8 : Color Psychology

Topics :

What is Color Psychology?

Applying Color Psychology to Everyday Life

Psychological Effects of Cool Colors

Psychological Effects of Warm Colors

Psychology of Color for Marketing & Advertising

Common Psychological Effects of Colors

Reference Books :

Sr. No	Title	Author	Publisher	Year of Edition
1	"Color"	Mr. Betty Edwards	Penguin USA	2004
2	"Color Theory"	Patti Mollica	Walter Foster Publishing	2013
3	"Color Choices"	Stephen Quiller	Watson-Guptill	2002
4	"Color Scheme Bible"	Anna Starmer	Firefly Books Ltd.	2006

Bachelor of Vocation (B.Voc.) Part I – Sem II
Paper XV
Laboratory Work Paper No.XII

Total Marks : 50

Practical : 4 lectures / week/per

Batch : 20 students

Practicals :

Basic Typography
Color Scheme Management
Perspective Drawing
Corel Draw – Advance
Photoshop – Basic
Layout

Corporate Stationery

DesigningMug Design, Greeting Design

Image Editing
Image Cut out
Image Mixing
Image Finishing
Vector - Raster

Bachelor of Vocation (B.Voc.) Part I – Sem II
Paper XVI
Laboratory Work Paper No.XIII

Total Marks : 50

Practical : 4 lectures / week/per

Batch : 20 students

Practicals :

Creative Flyer

Creative Broucher

Indoor / Outdoor Standee

Advertising Poster

Social Poster

Social Media Advertisement

Dangler

Creative Typography

Bachelor of Vocation (B.Voc.) Part I – Sem II
Paper XVII
Laboratory Work Paper No.XIV

Total Marks : 50

Practical : 4 lectures / week/per

Batch : 20 students

Practicals :

Creative Dangler

Bus Pannel

Label

Sticker

Campaign

Calender

Cap Design

T-Shirt Design

Bachelor of Vocation (B.Voc.) Part I – Sem II
Paper XVIII
Project

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

Annexure I

Standard of passing:

A. For B.Voc programme total credits shall be 180 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 B.Voc. Program.

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.

D. Rules for ATKT are mentioned below:

I. Internal examination will be compulsory for all students. If the student is absent/fail in the internal examination then he/she will have to clear the internal examination. However ATKT rules will be followed in respect of theory and practical papers only. Then the student is allowed to keep term in the third fifth semester even if he/she has failed in the three less than three beads (ie. theory and practical) of passing each semester.

However he/she shall have to clear all the papers of semester I & II before taking admission to the fifth semester.

II. In the B.Voc. Part II, every student has to complete internship of concerned industry.

Award of degree:

- B.Voc. is a six semester integrated course spread over the period of 3 years. The course of B.Voc.

will be 3 years integrated course commencing from the years as mentioned below:

- a. B.Voc. Part-1: Semester I & II- Diploma
- b. B.Voc. Part-II: Semester III & IV-Advanced diploma
- c. B.Voc. Part-III: Semester V & VI-B.Voc. Degree

- The candidate may take exit after one year of successful completion of the course. After successful completion of one year (Semester I & II) the candidate will get Diploma. After successful completion of two years (Semester III & IV), the candidate will get Advanced Diploma. The students those who have completed the entire three years (Semester V & VI) integrated course shall be awarded B.Voc. Degree programme, inclusive of Diploma and Advanced Diploma.
- The candidate admitted for direct second year or third year will get Class (First/Second/Pass class) as per their performance for B.Voc.

Scheme of mark :

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)

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

2. Cumulative Grade Point Average (CGPA)

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