



"Education for Knowledge, Science, and Culture"

- Shikshanmaharshi Dr. Bapuji Salunkhe

Shri Swami Vivekanand Shikshan Sanstha's

Vivekanand College, Kolhapur
(Autonomous)



KOLHAPUR (AUTONOMOUS)

B.Sc. Physics CO-PO attainment 2023-24

Department of Physics

Course Outcome (CO) attainment

Sr. No.	Course Code	Course Name	CO Target	CO attainment	Remark
1.	C1 (DSE-1001A)	Mechanics	3	1.4	Not Attained
2.	C2 (DSE-1001B)	Electricity, Magnetism and Electromagnetic Theory	3	2.2	Highly Attained
3.	C3 (DSE-1001C)	Thermal and statistical Physics – I & Waves and Optics -I	3	1.4	Not Attained
4.	C4 (DSE-1001D)	Thermal and statistical Physics – II & Waves and Optics -II	3	2.2	Highly Attained
5.	C5 (DSE-1001E1)	Mathematical Physics	3	1.4	Not Attained
6.	C6 (DSE-1001E2)	Nuclear and Particle Physics	3	3	Fully attained
7.	C7 (DSE-1001E3)	Quantum Physics	3	1.4	Not Attained
8.	C8 (DSE-1001E4)	Solid State Physics I	3	3	Not Attained
9.	C9 (DSE-1001F1)	Semiconductor Devices and Instrumentation	3	1.4	Not Attained
10.	C10(DSE-1001F2)	Classical Mechanics	3	2.2	Highly Attained
11.	C11 (DSE-1001F3)	Elements of Modern Physics	3	3	Fully attained
12.	C12 (DSE-1001F4)	Solid State Physics II	3	1.4	Not Attained

Programme Outcome (PO) attainment

PO's	PO attainment	Level
PO1	2.000	Excellent
PO2	2.000	Excellent
PO3	2.038	Excellent
PO4	2.021	Excellent
PO5	2.099	Excellent
PO6	1.985	Excellent
PO7	1.895	Excellent



Programme Specific Outcome (PSO) attainment

PSO's	PSO attainment	Level
PSO1	2.006	Excellent
PSO2	2.042	Excellent
PSO3	1.991	Excellent
PSO4	1.988	Excellent



PO's of B.Sc. programme :

After the successful completion of the B.Sc. degree, the students will be able to:

PO1 - Knowledge of Disciplines:

Demonstrate the fundamental practical and theoretical understanding and conceptual knowledge of all the disciplines in physical sciences prescribed.

PO2 - Problem solving skills:

Think and evaluate critically, analyze complex situations and provide solutions to problems using scientific methodology; thus relating the acquired knowledge to day to day life.

PO3 - Research aptitude:

Cultivate a liking for research; and apply the related skills and scientific temper in order to carry out research work that benefits the surrounding community and industry.

PO4 - Professional and soft skills:

Function independently and collaboratively to achieve the work-place goals through successful relations and mannerisms.

PO5 - Environment and Sustainability:

Possess empathetic awareness towards environment and focus on sustainable social development while conducting research and scientific studies.

PO6 - Cultural ethics:

Act in ethically righteous manner in planning, conducting and communicating the research and always keep in mind the cultural ethos of our society.

PO7 - Citizenship:

Perform their roles as cultured and civilized citizens possessing human values, creativity, positivity and engaged in nation-building.

PSO's of B.Sc. (Physics) programme:

1. Understand basic mechanics and properties of matter.
2. Students should understand mathematical concepts needed for understanding Physics.
3. Students should understand fundamental basic theories of General Physics, Classical Mechanics, Quantum mechanics, Electricity and magnetism, Modern Physics, Space Science, Semiconductor Physics and able to apply this knowledge to analyze the variety of physics phenomenon.
4. Students should learn laboratory skills, students should take measurements in Physics laboratory and analyze the measurements to draw valid conclusions.



B. Sc. Part – I Semester -I PHYSICS (Syllabus w.e.f. 2021-22)

Course Code: DSC1001A

Mechanics

Course Outcomes: After the completion of the course the student will be able to -

CO1: Demonstrate and understand the basic primary knowledge of Mechanics theories in Physics and develop the critical skill in students to understand mechanics.

CO2: get a proficiency in solving problems in Vectors, Ordinary Differential Equations, basic concepts of dot product, cross product, Ordinary Differential Equations, laws of motion, rotational motion, momentum, and energy etc.

CO3: get a proficiency in solving problems in Elasticity, gravitation, oscillation, Differential equation of Simple harmonic motion, special theory of relativity etc.

CO4: Understand the basic concepts of elastic constants, gravitation and Kepler's laws, Simple harmonic motion, etc.

B. Sc. Part – I Semester -II Physics

Course Code: DSC1001

Electricity and Magnetism

Course Outcomes: After the completion of the course the student will be able to -

CO1: Demonstrate and understand the basic primary knowledge of Electricity, Magnetism and Electromagnetic Theory and will demonstrate a proficiency in solving problems in Thevenin's theorem, and Norton's theorem, magnetism, electrostatics etc.

CO2: Understand the basic concepts of Ballistic galvanometer, networks theorem, magnetostatics and electrostatics, electricity, and magnetism etc.

CO3: get a proficiency in solving problems in gradient, divergence, Curl and their significance, Vector Integration, Line, surface and volume integrals of Vector fields, Maxwell's equations, and Electromagnetic wave propagation.

CO4: Understand the basic concepts of gradient, divergence, Curl and their significance, Gauss-divergence theorem and Stoke's theorem of vectors, Electromagnetic Induction, Maxwell's equations, and Electromagnetic wave propagation etc.

B. Sc. Part – II Semester -III PHYSICS (Syllabus w.e.f. 2022-23)

Course Code: DSC1001C

Thermal Physics, Statistical Mechanics, Waves and Optics Part I

Course Outcomes: After the completion of the course the student will be able to -

CO1: Demonstrate and understand the basic primary knowledge of Thermal Physics, Statistical Mechanics, waves, and Optics.

CO2: get a proficiency in solving problems in Thermal Physics, Statistical Mechanics, waves, and Optics.

CO3: Understand the basic concepts of kinetic theory of gases, transport phenomena, thermometry,



thermodynamic laws, thermodynamic process, isothermal and adiabatic process, entropy, harmonic oscillations, oscillations of different frequencies, Lissajous figures, coupled oscillations, ultrasonic waves their applications, acoustic of building and reverberations

CO4: Develop the critical skill in students to understand Thermal Physics, Statistical Mechanics, waves and Optics.

B. Sc. Part – II Semester -IV PHYSICS

Course Code: DSC1001D

Thermal Physics, Statistical Mechanics, waves and Optics Part II

Course Outcomes: After the completion of the course the student will be able to -

CO1: Demonstrate and understand the basic primary knowledge of Electricity, Magnetism and Electromagnetic Theory and will demonstrate a proficiency in solving problems in Thevenin's theorem, and Norton's theorem, magnetism, electrostatics etc.

CO2: Understand the basic concepts of Ballistic galvanometer, networks theorem, magnetostatics and electrostatics, electricity, and magnetism etc.

CO3: get a proficiency in solving problems in gradient, divergence, Curl and their significance, Vector Integration, Line, surface and volume integrals of Vector fields, Maxwell's equations, and Electromagnetic wave propagation.

CO4: Understand the basic concepts of gradient, divergence, Curl and their significance, Gauss-divergence theorem and Stoke theorem of vectors, Electromagnetic Induction, Maxwell's equations, and Electromagnetic wave propagation etc.

B. Sc. Part – III Semester -V PHYSICS (Syllabus w.e.f. 2023-24)

Course Code: DSC1001E1

Mathematical Physics

Course Outcomes : After completion, Students are able to

CO1 : understand Cartesian, spherical polar and cylindrical co-ordinate systems.

CO2 : understand Solve partial differential equations.

CO3: understand applications of partial differential equations.

CO4: Solve problems based on mathematical Physics B. Sc. Part – III Semester -V PHYSICS

Course Code: DSC1001E2

Nuclear and Particle Physics and Mathematical Physics

CO's: After completion, students are able to

CO1: Explain about the knowledge of particles.

CO2: Explain significance of various decays in the nuclear process.

CO3: Understand the spin parity concept & magic no. related to shell.

CO4: Know about the detectors and accelerators.



Course Code: DSC1001E3

Quantum Mechanics

CO's: After completion, students are able to

CO1: Define Concept of wave packet and Uncertainty principle.

CO2: Understand Schrödinger time dependent and time independent wave equations.

CO3: understand applications of Schrodinger equation.

CO4: understand operators, Commutation relations space and Hilbert.

Course Code: DSC1001E4

Solid State Physics

CO's: After completion, students are able to

CO1: define various types of solids depending on crystal structure

CO2: know different methods for structural analysis of crystal

CO3: explain concept of energy bands in solid

CO4: explain superconductivity phenomenon and its types

B. Sc. Part – III Semester -VI PHYSICS

Course Code: DSC1001F1

Semiconductor devices and instrumentation

CO's: After completion, students are able to

CO1: learn about the CRO, IC's.

CO2: Understand the knowledge of digital electronics.

CO3: Know the devices made up of semiconductors

CO4: develop critical skill of device fabrication

Course Code: DSC1001F2

Classical Mechanics

CO's: After completion, students are able to

CO1: define constraints, Degree of freedom and generalized coordinates etc., and understand principle of virtual work and D'Alembert's principle.

CO2: derive Lagrange's equation from D'Alembert's principle and understand its of Langrange's equation.

CO3: define Inertial and Non-Inertial reference frames, Understand Michelson Morley Experiment, define Relativistic addition of velocities, Length contraction, Time dilation. Describe mass energy relation.

CO4: Define Poissons and Laplace equation and their physical significance and describe motion of charged particles in electric and magnetic fields.

Course Code: DSC1001F3

Elements of Modern Physics

CO's: After completion, students are able to

CO1: understand atomic structure, atomic models and atomic spectra.

CO2: understand fine structure and Zeeman effect.



CO3: understand Rotational and Vibrational spectra, Raman Effect and Characteristic properties of Raman lines.

CO4: understand Milky Way galaxy and origin of solar system.

Course Code: DSC1001F4

Solid State Physics II

CO's: After completion, students are able to

CO1: know about free electron theory, band gap energy, Hall effect

CO2: know about dielectric properties of material

CO3: explain concept of X-ray diffraction

CO4: analyse different materials with the help of x-ray diffraction pattern



Articulation matrix for all courses taught in B.Sc. Physics programme

B.Sc. I SEM I Physics 2021-22											
CO-PO, CO-PSO Mapping Articulation Matrix											
Course I (DSE1001A)											
Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	3	2	1	1	3	3	3	2
CO2	3	3	3	3	1	2	2	3	3	2	2
CO3	3	3	3	2	1	2	2	3	3	2	2
CO4	3	3	2	3	1	2	2	2	2	1	2
Average	3	3	2.5	2.75	1.25	1.75	1.75	2.75	2.75	2	2

B.Sc.I SEM II Physics 2021-22											
CO-PO, CO-PSO Mapping Articulation Matrix											
Course II (DSE1001B)											
Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	2	2	1	3	3	3	2
CO2	3	3	3	2	1	2	2	3	3		
CO3	3	3	3	2	1	2	2	3	3		
CO4	3	3	2	3	1	2	2	2	2		
Average	3	3	2.75	2.5	1.25	2	1.75	2.75	2.75	2	2

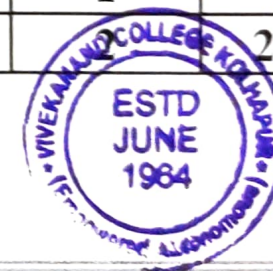


B.Sc. II SEM III Physics 2022-23**CO-PO, CO-PSO Mapping Articulation Matrix****Course III (DSE1001C)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	2	3	3	3	3
CO2	3	3	3	2	2	2	1	3	3	2	3
CO3	3	3	3	2	2	1	2	3	3	2	3
CO4	3	3	2	3	2	1	1	2	2	1	2
Average	0	3	2.75	2.5	2.25	1.5	1.5	2.75	2.75	2	2.75

B.Sc. II SEM IV Physics 2022-23**CO-PO, CO-PSO Mapping Articulation Matrix****Course IV (DSE1001D)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	1	3	3	3	3
CO2	3	3	3	2	3	2	1	3	3	2	3
CO3	3	3	3	2	2	2	1	3	3	2	3
CO4	3	3	2	3	2	2	1	2	2	1	2
Average	3	3	2.75	2.5	2.5	2	1	2.75	2.75	2.75	2.75



B.Sc. III SEM VI Physics 2023-24

CO-PO, CO-PSO Mapping Articulation Matrix

Course I (DSE1001F1)

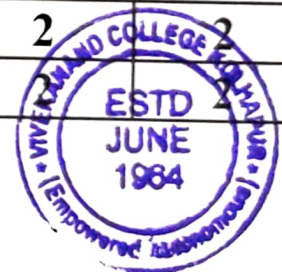
Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	2	2	2	3	2	2	2
CO2	3	3	2	3	2	2	2	3	2	2	2
CO3	3	3	2	2	1	3	3	3	2	2	2
CO4	3	3	3	1	1	3	3	3	2	2	2
Average	3		2.25	2	1.5	2.5	2.5	3	2	2	2

B.Sc. III SEM VI Physics 2023-24

CO-PO, CO-PSO Mapping Articulation Matrix

Course II (DSE1001F2)

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	1	3	3	2	2
CO2	3	3	3	2	3	2	1	3	3	2	2
CO3	3	3	3	2	3	2	1	3	3	2	2
CO4	3	3	3	3	3	2	1	3	3	2	2
Average	3		3	2.5	3	2	1	3	3		



B.Sc.III SEM VI Physics 2023-24**CO-PO, CO-PSO Mapping Articulation Matrix****Course III (DSE1001F3)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	1	3	3	2	2
CO2	3	3	3	3	3	1	1	3	3	2	2
CO3	3	3	3	2	3	2	1	3	3	1	2
CO4	3	3	3	3	3	2	3	3	3	2	2
Average	3		3	2.75	3	1.75	1.5	3	3	1.75	2

B.Sc.III SEM VI Physics 2023-24**CO-PO, CO-PSO Mapping Articulation Matrix****Course IV (DSE1001F4)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	1	3	3	2	2
CO2	3	3	3	3	3	1	1	3	3	2	2
CO3	3	3	3	2	2	2	1	3	3	1	2
CO4	3	3	3	3	3	2	3	3	3		
Average	3		3	2.75	2.75	1.75	1.5	3	3		



B.Sc. III SEM V Physics 2023-24**CO-PO, CO-PSO Mapping Articulation Matrix****Course I (DSE1001E1)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	2	2	2	3	2	2	2
CO2	3	3	2	3	2	2	2	3	2	2	2
CO3	3	3	2	2	1	3	3	3	2	2	2
CO4	3	3	3	1	1	3	3	3	2	2	2
Average	3	3	2.25	2	1.5	2.5	2.5	3	2	2	2

B.Sc. III SEM V Physics 2023-24**CO-PO, CO-PSO Mapping Articulation Matrix****Course II (DSE1001E2)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	1	3	3	2	2
CO2	3	3	3	2	3	2	1	3	3	2	2
CO3	3	3	3	2	3	2	1	3	3	2	2
CO4	3	3	3	3	3	2	1	3	3		
Average	3	3	3	2.5	3	2	1	3	3		

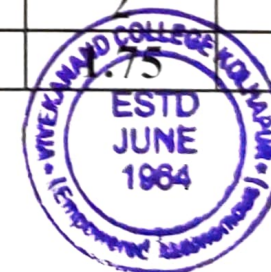


B.Sc. III SEM V Physics 2023-24**CO-PO, CO-PSO Mapping Articulation Matrix****Course III (DSE1001E3)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	1	3	3	2	2
CO2	3	3	3	3	3	1	1	3	3	2	2
CO3	3	3	3	2	3	2	1	3	3	1	2
CO4	3	3	3	3	3	2	3	3	3	2	2
Average	3	3	3	2.75	3	1.75	1.5	3	3	1.75	2

B.Sc. III SEM V Physics 2023-24**CO-PO, CO-PSO Mapping Articulation Matrix****Course IV (DSE1001E4)**

Outcome	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	3	3	2	1	3	3	2	2
CO2	3	3	3	3	3	1	1	3	3	2	2
CO3	3	3	3	2	2	2	1	3	3	1	2
CO4	3	3	3	3	3	2	3	3	3	2	2
Average	3	3	3	2.75	2.75	1.75	1.5	3	3	1.75	2

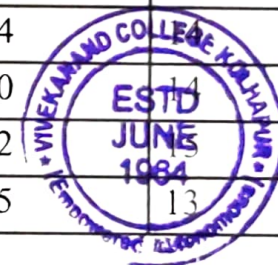


Students Marks Chart:

Ext/Int marks for CO attainment Direct Method (Physics)									
		B.Sc. I Year 2021-22				B.Sc. II Year 2022-23			
		SEM I		SEM II		SEM III		SEM IV	
Sr. No	Name of the student	Paper I (DSC-1001A)		Paper II (DSC-1001B)		Paper III (DSC-1001C)		Paper IV (DSC-1001D)	
		External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)
1	Shrutika Sambhaji Khot	46	16	54	14	50	20	47	27
2	Shreyashree S. Demanna	50	20	67	29	67	29	67	29
3	Sushant Vilas Sutar	57	24	57	22	65	28	65	28
4	Rushi C. Dongare	56	22	40	26	67	12	46	28
5	Misam P. Pathan	50	12	40	16	51	13	41	15

Ext/Int marks for CO attainment Direct Method (Physics)

B.Sc. III Year 2023-24									
SEM V									
Sr. No	Name of the student	Paper V (DSE1001E1)		Paper VI (DSE1001E2)		Paper VII (DSE1001E3)		Paper VIII (DSE1001E4)	
		External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)
1	Shrutika Sambhaji Khot	23	14	28	15	21	14	23	14
2	Shreyashree S. Demanna	35	15	34	15	31	14	34	14
3	Sushant Vilas Sutar	30	13	25	14	27	11	30	11
4	Rushi C. Dongare	29	15	28	13	18	14	32	14
5	Misam P. Pathan	30	14	21	8	19	10	15	13



Ext/Int marks for CO attainment Direct Method (Physics)

B.Sc. III Year 2023-24

SEM V

Sr. No	Name of the student	Paper IX (DSE1001F1)		Paper X (DSE1001F2)		Paper XI (DSE1001F3)		Paper XII (DSE1001F4)	
		External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)	External (Out of 70)	Internal (Out of 30)
1	Shrutika Sambhaji Khot	22	15	29	15	29	15	22	15
2	Shreyashree S. Demanna	23	15	34	15	31	15	34	15
3	Sushant Vilas Sutar	24	7	31	14	31	15	21	14
4	Rushi C. Dongare	28	10	32	15	32	15	26	15
5	Misam P. Pathan	18	7	29	13	30	13	22	12



Students Feedback

B.Sc. I SEM I Physics Paper I (Mechanics)

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	4	5	4	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. I SEM II Physics Paper II (Electricity, Magnetism and electromagnetic theory)

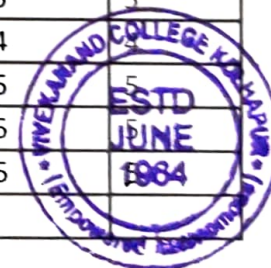
Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	4	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. II SEM III Physics Paper III (Thermal Physics and Statistical Mechanics)

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	4	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. II SEM IV Physics Paper IV (Waves and Optics)

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5



B.Sc. III SEM V Physics Paper V

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. III SEM V Physics Paper VI

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. III SEM V Physics Paper VII

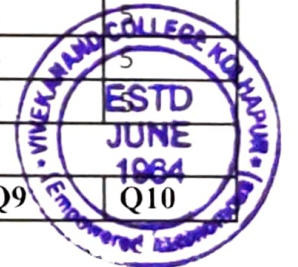
Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. III SEM V Physics Paper VIII

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. III SEM VI Physics Paper IX

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
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1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. III SEM VI Physics Paper X

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. III SEM VI Physics Paper XI

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

B.Sc. III SEM VI Physics Paper XII

Sr. no.	Name of the Student	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	Shrutika Sambhaji Khot	5	5	5	5	5	5	5	5	5	5
2	Shreyashree S. Demanna	4	4	4	4	4	4	4	4	4	4
3	Sushant Vilas Sutar	5	5	5	5	5	5	5	5	5	5
4	Rushi C. Dongare	5	5	5	5	5	5	5	5	5	5
5	Misam P. Pathan	5	5	5	5	5	5	5	5	5	5

Google link for feedback collection:

<https://forms.gle/V2vhVkrVzjPi1Xsv7>

