॥ पढमं णाणं तओ दया ॥
Shri Tilok Jain Dnyan Prasarak Mandal's
SHRI ANAND COLLEGE
Pathardi, Tal. Pathardi, Dist. Ahmednagar - 414 102
Ph. (02428) 222736,
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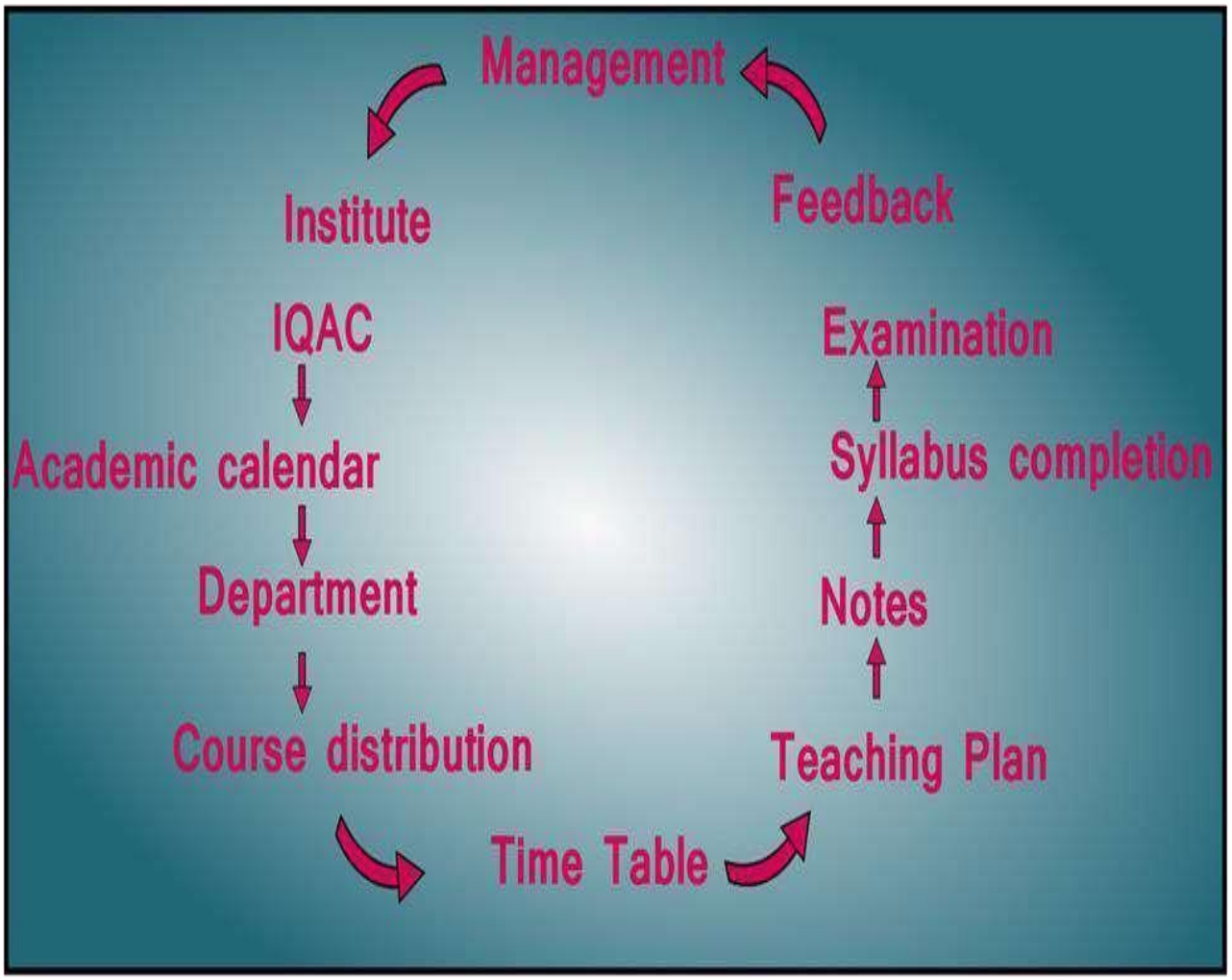
1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

Schematic diagram



Academic Calendar 2023-24

https://shrianandcollege.com/wp-content/uploads/2024/10/Aca-Calendar.pdf

Shri Tilok Jain Dnyan PrasarkMandals
SHRI ANAND COLLEGE, PATHARDI
Time-Table B.Sc.
2023-24

Sr. No	Time	Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1.	8.00 a.m. to 8.50 a.m.	F. Y. B.Sc.	Maths./ Zoo. (ATJ) (BRG)	Maths./ Zoo. (ATJ) (BRG)	Maths./ Zoo. (ATJ) (BRG)	Maths./ Zoo. (ATJ) (GAM)	Maths./ Zoo. (ATJ) (GAM)	Maths./ Zoo. (ATJ) (GAM)
		S. Y. B.Sc.	Chem(ABG)	Chem(ABG)	Chem(MFS)	Chem(SKN)	Chem(SKN)	Chem(BYP)
		T. Y. B.Sc.(Physics)	NRD	NRD	NRD	ABP	ABP	ABP
		T. Y. B.Sc.(Chemistry)	SKN	SKN	BYP	IBS	ABG	ABG
2.	8.50 a.m. to 9.40 a.m.	F. Y. B.Sc.	Phy(SBK)	Phy(SBK)	Phy(SBK)	Phy(VKG)	Phy(VKG)	Phy(VKG)
		S. Y. B.Sc.	Phy./ Zoo. (ABP) (GAM)	Phy./ Zoo. (ABP) (GAM)	Phy./ Zoo. (ABP) (GAM)	Phy./ Zoo. (ABP) (BRG)	Phy./ Zoo. (ABP) (BRG)	Phy./ Zoo. (ABP) (BRG)
		T. Y. B.Sc.(Physics)	ABB	ABB	ABB	ABB	ABB	ABB
		T. Y. B.Sc.(Chemistry)	MFS	MFS	IBS	MFS	PAN	SKN
SHORT RACESS 9.40 TO 9.50 A.M.								
3.	9.50 a.m. to 10.40 a.m.	F. Y. B.Sc.	Chem(PAN)	Chem(PAN)	Chem(PAN)	Chem(JKK)	Chem(JKK)	Chem(JKK)
		S. Y. B.Sc.	Maths./ Bot. (ATJ) (JDB)	Maths./ Bot. (ATJ) (JDB)	Maths./ Bot. (ATJ) (JDB)	Maths./ Bot. (ATJ) (DVB)	Maths./ Bot. (ATJ) (DVB)	Maths./ Bot. (ATJ) (DVB)
		T. Y. B.Sc.(Physics)	SBK	SBK	SBK	VKG	VKG	VKG
		T. Y. B.Sc.(Chemistry)	BYP	BYP	BYP	ABG	JKK	JKK
4.	10.40 a.m to 11.30 a.m.	F. Y. B.Sc.	Bot.(DVB)	Bot.(DVB)	Bot.(DVB)	Bot.(JDB)	Bot.(JDB)	Bot.(JDB)
		S. Y. B.Sc.	ENG(URG)	ENG(URG)	ENG(URG)	Phy./ Zoo. (ABP) (GAM)	Chem(MFS)	Phy./ Zoo. (NRD) (BRG)
		T. Y. B.Sc.(Physics)	ABP	NRD	VKG	SBK	ABB	ABB
		T. Y. B.Sc.(Chemistry)	JKK	ABG	JKK	PAN	SKN	PAN
5.	11.30 a.m.to 12.20 p.m.	S. Y. B.Sc.	Maths./ Bot. (ATJ) (DVB)	Maths./ Bot. (ATJ) (JDB)	Chem(BYP)	ENG(URG)	Environmental	Environmental

Co-Ordinator
IQAC
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Principal
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Pathardi,Dist.A.Nagar

SHRI ANAND COLLEGE, PATHARDI
(SCIENCE - FACULTY)
M. Sc. (Organic Chemistry)
TIME – TABLE (2023-24)

M. Sc. - I

Time	Mon	Tues	Wed	Thu	Fri	Sat
11.30 am-12.30 pm	APT	AMB	AMB	JKK	APT	IBS
12.30 am.-01.30 pm.	PAN	PAN	APT	APT	IBS	APT

M.Sc. - II

Time	Mon	Tues	Wed	Thu	Fri	Sat
11.30 am-12.30 pm	AMB	IBS	AMB	IBS	AMB	AMB
12.30 am.-01.30 pm.	IBS	AMB	IBS	AMB	IBS	IBS

Practical Time table

Class	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
M.Sc I	PAN	PAN	AMB	APT	-	APT
M.Sc II	IBS	IBS	-	-	AMB	-

Note-

- **Practical Time - 08.00 am. To 11.00 am.**

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Seating Arrangement

Class	Subject	Room No
F. Y. B.Sc.	Physics	Room No 21
	Chemistry	
	Zoology	
	Botany	
F. Y. B.Sc.	Mathematics	Room No 17
S. Y. B.Sc.	Physics	Room No 17
	Mathematics	
S. Y. B.Sc.	Botany	Room No 18
	Zoology	
T. Y. B.Sc.	Physics	Room No 22
T. Y. B.Sc.	Chemistry	Room No 20
M.Sc. I	Organic Chemistry	Room No 17
M.Sc. II	Organic Chemistry	Room No 18

Sr. No.	Name of faculty	Subject
1	Prin. Dr. Pawar S. B.	Chemistry
2	Prof. Dr. Shaikh M. F.	Chemistry
3	Dr. Pagare B. Y.	Chemistry
4	Dr. Narwade S. K.	Chemistry
5	Prof. Dr. Gambhire A. B.	Chemistry
6	Dr. Nagwade P. A.	Chemistry
7	Dr. Shaikh I. B.	Chemistry
8	Dr. Khedkar J.K.	Chemistry
9	Mrs. Thorat A. P.	Chemistry
10	Mr. Borude A. B.	Chemistry
11	Mrs. Pawase A.B.	Physics
12	Dr. Dhumane N. R.	Physics
13	Prof. Dr. Gade V. K.	Physics
14	Mr. Kalokhe S. B.	Physics
15	Dr. Bhorde A.B.	Physics
16	Prof. Dr. Barshile J. D.	Botany
17	Dr. Bharsar D. V.	Botany
18	Dr. Ghorpade B. R.	Zoology
19	Mr. Mambde G. A.	Zoology
20	Mr. Joshi A. T.	Mathematics

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ICT Photographs

Using Teaching Models

Teaching Plan

S. Y. B. Sc. Physics Academic Year 2023-24

Subject: Mathematical Methods In Physics Paper - I Sem. – III

Month	Chapter/Topics
Aug'23	**Chapter 1. Complex Numbers**- Introduction to complex numbers, rectangular, polar and exponential forms of Complex Numbers, Argand diagram, algebra of Complex Numbers, Algebra of Complex Numbers using Argand diagram, De-Moivre's theorem, powers, roots, log of Complex Numbers, trigonometric , hyperbolic and exponential functions Applications of Complex Numbers to determine velocity and acceleration in curved motion, problems, Tutorial-1.
Septt'23	**Chapter 2. Partial differentiation**- Definition of partial differentiation, Successive differentiation, Total differentiation, Exact differentiation, chain rule, Theorems of differentiation, Change of variables from Cartesian to polar co-ordinates , conditions for maxima and minima, Problems.
Oct'23	**Chapter 3.Vector Algebra And Analysis** - Introduction to scalars, vectors ,dot product and cross product and their physical significance scalar triple product and its geometrical interpretation, vector triple product and its proof, scalar and vector fields, Differentiation of vectors w.r.t. scalars, , vector differential operator and Laplacian operator, Gradient of scalar field and its physical significance, Divergence of scalar field and its physical significance, Curl of vector field and its physical significance, Vector identities, problems, tutorial 2.
Nov. '23	**Chapter 4. Differential Equation**- degree, order, linearity and homogeneity of differential equation, concept of Singular points. Example of singular points ($x=0$, $x=x_o$, $x=\infty$) of differential equation, problems Revision of University question papers

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Shri Anand College,P

Prof. Pawase A.B.
Dept. of Physics

Shri Anand College,Pathardi
Teaching plan

Class:T.Y.B.Sc. **Year:2023-24** **Sem- VI**

Subject: Statistical Mechanics AndThermodynamics

Month	Topics/Chapter
Jan.24	**Chapter 1:Transport Phenomenon and Maxwell's Relations** mean free path ,transport phenomenon, viscosity, thermal conductivity, diffusion, problems. Internal energy ,enthalpy , Helmholtz function, Gibb's function , derivation of Maxwell relations, specific heat and latent heat equations, Joule Thomson effect, problems. Tutorial and Test on chapter 1.
Feb.24	**Chapter 2 : Elementary Concepts Of Statistics** – Probability distribution functions, random walk and Binomial distribution, simple random walk problem, calculation of mean values, probability distribution for large scale N, Gaussian probability distribution. Problems **Chapter 3 :Statistical Distribution of System of particles and Ensembles** Specification of state of system, statistical ensembles, basic postulates, probability calculations , behaviors of density of states, thermal , mechanical and general interactions.
March 24	Micro canonical ensemble(Isolated system) canonical ensemble, simple application of canonical ensemble, molecules of ideal gas, calculation of mean values in canonical ensemble. Probl
April 24	**Chapter 4 : Introduction to Quantum Statistics** – Quantum distribution function , Maxwell Boltzmann's statistics , Bose –Einstein statistics, Fermi-Dirac statistics , comparison of distributions , Application of quantum statistics, Tutorial and Test Revision of University question papers

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Prof. Pawase Anita Balakrishna
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Shri Anand College, Pathardi