



# **SAMPLES OF TEACHING/LESSION PLAN OF DIFFERENT DEPARTMENTS OF ADP COLLEGE**

  
Principal,  
A.D.P. College  
Nagaon (Assam)

# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department..... **ASSAMESE** .....

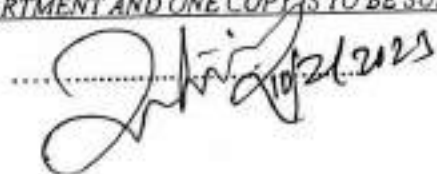
Name of Faculty Member..... **DR. JALIN CHETIA** .....


SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II (Hon) BA	PAPER-ASM-HE-2026, SAHITYA SAMAN-LOSONA	Unit - III, TRAGEDY ABSURD DRAMA BRECHTIAN DRAMA	Natak am Axomiya Natak, Natyefala: desi Bidesi	16 APPROX	2	Attached ↓
IV (Hon) BA	ASM-HE-4016 TULANAMULAK Charatiy Sahitya ASM-HE-4036	Unit - I & II 1. Tulanamulak Sahitya perichay 2. Tulanamulak Bharatiya Sahitya Unit - I, Sahitya U-IV Perichay	1. Tulanamulak Bharatiya Sahitya 2. Ankaivali, 2. Buntipi	12 APPROX +10 22 10 APPROX.	3	-
V (Hon) BA	ASM-HE-6026 Axomiya Lipin ifihes ASM-HE-6056	Unit - I, II, III & IV. Lipin perichay Axomoni Silalipi, Axomoni Tamulipi PROJECT PAPER - 100 MARKS	1. Axomiya Prachin Lipi 2. Axomiya Lipi 3. Biswalipi Ghornika	U-1, 10 U-2-10 U-3-10 U-4-10 10 APPROX	4	-
MA-II	ASM-2016, 2026 Assamese, 2046 Poetry	Unit - III, Modern poetry Unit - IV, Heem kohain, Hornem Bongu Unit - IV - Nativism	1. Nativism 2. Adhunik Natya Sinta 3. Axomiya Katha Sahitya	U-I-05 U-2-05 U-3-05 U-IV-05 APPROX.	3	-
MA-IV	ASM-4016 ASM-4026 Textual criticism Applied Linguistics	Unit - I, II, III & IV, = Intro, Theory, History of textual criticism manuscript reading Unit - IV & V: Lexicography & Sociolinguistics	1. Axomiya Lipi 2. Path Samikhya 3. Bisekuse Analysis	U-I-20 U-II-20 U-III-05+5=10 APPROX	4	-

\*HOD will allocate remedial classes and students for mentoring

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Signature of the faculty member

 10/12/2023

Signature of the HOD.....  .....



# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department..... Philosophy .....

Name of Faculty Member... Neeharika Borah .....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II (Major)	PHI-HE-2016 (Greek Philosophy)	Unit - III (Plato: knowledge and opinion, theory of form, justice) Unit: iv (Aristotle: Form and Matter, Causation, Actuality and potentiality)	A critical history of western philosophy	13	2	192, 239, 441, 536, 600
II (Genetic)	PHI-HG-2016 (Indian Philosophy)	Unit - II (Buddhism - Four Noble Truths, impermanence, No-soul theory, Jainism - Samsara, Moksha, Karma) Unit iv - (Sankhya - Prakriti, Purusha, alibhava, Ishwara)	A short history of western philosophy A critical history of Indian philosophy, outlines of Indian philosophy			
iv (Major)	PHI-HE-4016 (Contemporary Indian Philosophy)	Unit I (Aurobindo - Evolution, Super mind, synthesis of yoga)	Contemporary Indian philosophy	<del>18</del>	3	
iv (Major)	PHI-HE-4026 (Philosophy of Religion)	Unit: III (Gandhi - Religion, Truth, non-violence, Satyagraha, Sarvodaya, Swadeshi, Critique of industrialization, trusteeship.)	Introduction to philosophy	20	3	259, 386, 418, 494
iv (Major)	PHI-HE-4036 (Political and Social Philosophy)	Unit II - ontological, cosmological, teleological, moral		10	1	
iv (Major)	PHI-HE-4036 (Political and Social Philosophy)	Unit - iv - Humanism, Secularism, multiculturalism/culturalism	Social and Political philosophy.	11	1	
iv (Genetic)	PHI-HG-4016 (Logic)	Unit I - Fundamental concept of logic (Propositions and Arguments, truth and validity) deduction and induction	Logic and philosophy	12	2	
vi (Major)	PHI-HE-6016 (Philosophy of Mind)	Unit I - Psychology and philosophy of mind, cartesian dualism, problems of cartesian dualism	Critical history of western philosophy	11	1	330, 227,
vi (Major)	PHI-HE-6026 (Meta-Ethics)	Unit II: (G.E. Moore: Indefinability of 'good', naturalistic fallacy, Autonomy of morals)	A manual of Meta-Ethics	10	1	367, 527,
vi (Major)	PHI-HE-6026 (Philosophy of Language)	Unit III - Correspondence, coherence, and pragmatic theory of truth	Philosophy of Language	9	1	
vi (Major)	PHI-HE-6036 (Applied Ethics)	Unit III - Use and Exploitation of nature, Animal rights and animal rights. Unit IV: computer crime, Ethical and legal aspects of virtual worlds.	Applied Ethics, An Introduction to Ethics.	21	2	

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Signature of the faculty member

Neeharika Borah (Borah)  
25/02/2023

Signature of the HOD..... [Signature] .....

# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department..... Philosophy.....

Name of Faculty Member..... Pooja Choudhary.....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
2nd Sem (Major)	PHI-HC-2016 (Greek Philosophy)	Unit II - Protagoras, Socrates's Method, Socrates's virtue	(1) T. Stace - A Critical History of Greek Philosophy (2) A Textbook of Logic - Jahnabi Deka and Ranajit Sharma (3) I. M. Copi - Introduction to Logic	16	1	223, 192, 441
	PHI-HC-2026 (Logic II)	Unit I - Symbolic Logic				
2nd Sem (Generic)	PHI-HC-2016 (Indian Philosophy)	Unit II - Logical Connectives & Variables.	(1) DCD Sharma - A Critical Survey of Indian Philosophy (2) D.M. Datta - Chief Currents of Contemporary Philosophy (3) N.Y. Masih - Intro. to Religious Philo.	7	3	622, 683
		Unit III - Sankhya & Nyaya				
4th Sem (Major)	PHI-HC-4016 (Contemporary Indian Philo)	Unit II - Radhakrishnan	(1) N.V. Joshi - Social and Political Philosophy (2) I.M. Copi - Intro to Logic	8	1	
		Unit I - Nature of Philosophy & Religion.				
	PHI-HC-4026 (Philosophy of Religion)	Unit I - Rights & Duties, Justice, Equality & Liberty	(1) N.V. Joshi - Social and Political Philosophy	10	2	418, 480
		Unit II - Anarchism, Socialism, Marxism				
	PHI-HC-4036 (Political & Social Philosophy)	Unit I - Rights & Duties, Justice, Equality & Liberty	(1) N.V. Joshi - Social and Political Philosophy	7	1	494
		Unit II - Anarchism, Socialism, Marxism				
4th Sem (Generic)	PHI-HC-4016 (Logic)	Unit II - Aristotelian Syllogistic Logic. Unit III - Symbolic Logic	(1) A Textbook of Logic - Jahnabi Deka & Ranajit Sharma (2) I.M. Copi - Intro to Logic	20	2	

\*HOD will allocate remedial classes and students for mentoring

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Signature of the faculty member ..... Pooja Choudhary .....  
 25/02/2023

Signature of the HOD..... [Signature].....



TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department... HINDI .....

Name of Faculty Member... DR. ABDUL MANNAN .....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II (Hons)	P-2016 P-2026	Unit - III (विद्यया, धन्यता) Unit - II (मैथिलीशरण गुप्त, निराला, और पन्त)	रीतिकार्य संग्रह 36 हिन्दी काव्य सुधा	36 60	08	15,42,175,177, 207, 269,275 279 = 08
IV Sem (Hons)	P-4016	Unit - I - भाषा और भाषा विज्ञान Unit - II - ध्वनि विज्ञान, रूप विज्ञान Unit - III - अर्थ विज्ञान, देवनागरी लिपि	भाषा विज्ञान - शैलानंद त्रिवेदी भाषा विज्ञान में शक्ति - आचार्य देवेन्द्र नाथ त्रिवेदी	98 96	08	
VI Sem (Hons)	P-6026 (HC) P-6026 (HE)	हिन्दी परियोजना कार्य Unit - I प्रेमचन्द का सभ्य परिचय Unit - II गार्क-खेला, उपन्यास, सेवासक Unit - III - कहानियाँ - पुल की रात	जयप्रकाश झाक प्रेम कर्मला - प्रेमचन्द सेवासक - प्रेमचन्द हिन्दी काव्य सुधा	06 128	- 00	
IV Sem (SEC)	P-4014 (SEC)	Unit - I - अनुवाद को अर्थ, परिभाषा, स्वरूप, एवं प्रकृति, अनुवाद कार्य की आवश्यकता एवं महत्व	अनुवाद विज्ञान - डॉ० शैलानंद त्रिवेदी	16	03	

\*HOD will allocate remedial classes and students for mentoring

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Signature of the faculty member

Abdul Mannan

Signature of the HOD

Abdul Mannan

# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department: Herbal Science & Technology (M.Sc.)

Name of Faculty Member: Dr. Moumi Saha

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
M.Sc. 2 <sup>nd</sup> Sem.	HST-2062. Bioentrepreneurship	Unit 1: Basics of Bioentrepreneurship Unit 2: AYUSH and regulatory guidelines for Herbal formulation.	E-content, google.	30		01, 03, 05, 07, 09, 11, 13.
M.Sc. 4 <sup>th</sup> Sem.	HST-2016. Genomics & Proteomics	Unit 1: Basics of Genomics. Unit 2: Restriction Enzymes Unit 3: PCR & its application. Unit 4: Gene Transfer.	Biotechnology Satyanarayan, nptel, NCBI, etc.	50		01, 02, 05, 08, 09, 10.
M.Sc. 4 <sup>th</sup> Sem.	HST-4026. Herbal Biotech-II	Unit 1: Database / Bioinformatics Unit 2: Drug discovery Unit 3: Transgenic plants Unit 4: Molecular Pharming.	Biotechnology Satyanarayan, NCBI, google, etc.	50		
M.Sc. 4 <sup>th</sup> Sem.	HST-4052. Journal Club & Assignment	Journal Club & Assignment Diff modes of Scientific Communication, Research paper writing, etc.	Pub Med, Google Scholar.	30		
M.Sc. 4 <sup>th</sup> Sem.	HST-4069. Dissertation	M.Sc. Dissertation thesis work assigned to individual students.		100		

\*HOD will allocate remedial classes and students for mentoring

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Signature of the faculty member [Signature]

Signature of the HOD [Signature] 14/2/23



# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department... Education .....

Name of Faculty Member... DR. SABITA DEVI .....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II Semester Honours Course	EDU-HC-2026 Development of Education (Part I) in India	Unit I : Ancient Indian Education, Vedic, Buddhist, Muslim & Kautilya Arthashastra	1) John Baune 2) S.P. Chakravarti, 3) B.N. Dash 4) Thakur & Thakur	15 periods	2	29, 74, 91 132, 148, 152, 258, 420, 502
		Unit: 3 : Education in British India: Woodh Despatch 1854 Hunter Commission 1882	'do'	12 periods	-	
		Unit: 5:- Wardha Conference Basic education	'do'	14 periods	-	
II Semester generic	EDU-H4-2016 Psychology of Adolescents	Unit I :- Adolescence - Nature, characteristics - transition period, Stress & Strain	1) L. Cole - 2) G. Goswami 3) S.P. Chakravarti	15 periods		

\*HOD will allocate remedial classes and students for mentoring

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Signature of the faculty member ..... Sabita Devi .....

Signature of the HOD.....

# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department Sanskrit.....

Name of Faculty Member... Rangmala Roy.....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
2nd sem Major	SKT-He-2016 Prose	Unit - 1 Sukanashopadesa (Sd. Prahlad Kumar)	Kādambari of Bānabhatta		3	344, 561, 564
"	SKT-He-2026 Self Management in the Gita	Unit - 1 cognitive and emotive apparatus		}		
	He-2026 controlling the mind	Unit - 11 confusion and conflict of mind, Meditation,	Srimadbhagavad gita		4	
2nd sem General	SKT HCn-2026 Indian culture and social Issues	Unit - 1 Dharma as an ever evolving phenomenon.	History of classical Sanskrit Literature		2	

\*HOD will allocate remedial classes and students for mentoring

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Signature of the faculty member Rangmala Roy.....

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Signature of the HOD.....



# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department..... ZOOLOGY.....

Name of Faculty Member..... DR. AFIFA KAUSAR.....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II (H)	ZOO-HC-2016 U-1 & 6 ZOO-HC-2026 U-2 & 8	Coelomates & Echinodermata (all topics) Plasma membrane (all topics) Cell signalling (all topics)	Non-Chordates - Mani deep Singh Cell Biology - P.K. Gupta Cell - Prince Albert ZSA channel Unacademy	14 11	0-1	Roll No. - 218, 239, 220, 211
IV (H)	ZOO-HC-4026 U-1, 2, 3 & 5	Animal Physiology (entire paper)	Textbook of Animal Physiol - V. Kachyap Animal Physiology - Guyton	60	02	Roll. no. - 8, 21, 27, 33
VI (H)	ZOO-HC-6026 U1 to 8	Evolutionary Biology (all topics)	Evolutionary Biology - Postop Genetics & Evolutionary Biology - Raj Bahar.	54		Roll. No - 67, 71 77, 84
II (G)	ZOO-HG-2016 U-5, 6, 7	Urogenital system (all topics) Circulatory system (all topics) Nervous system (all topics)	Comparative Anatomy - A. Hazarika Evolution - M. Raj Animal Physiology - Kalich	11	2	
IV (G)	ZOO-HG-4016 U-6, 8, 10	History of Life (all topics) Direct evidences of evolution (11) Species concept (11)	Smithsonian & National Museum archives Inflibnet	15	2	

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# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department..... Arabic .....

Name of Faculty Member..... Dr. Abdul Muftid Md Hassan .....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
2nd Sem (CBCS - Honours)	ARA-HC-2016 (Arabic Prose and Poetry - II) ARA-HC-2026 (APPLIED GRAMMAR-I)	Unit-I - العربية والمسامرة والاخاد في الاسلام Unit-II - كيف اتعلم اللغة حديثا Unit-III - آسما الحبيب ... اللغة العربية Unit-IV - الفعل المضارع . التثنية . النفي ... Unit-V - اسم التفضيل - المسانعة ...	Prescribed book	40		54, 179, 282 357, 553, 555 556, 557, 559 589, 665, 669
4th Sem (CBCS - Honours)	ARA-HC-4016 (Modern Arabic Prose and Poetry - I) ARA-HC-4036 (APPLIED GRAMMAR-II)	Unit-I - مفهوم الاسلام (ص) سلامة السير Unit-II - الى الشان (و) استودة السناء Unit-III - عمرو بن فريختة لها ... Unit-IV - حرف مطلق (و) حرف استفهام ... Unit-V - المفرد المتصور (و) المفرد المجرم ...	"	50		257, 259, 463
6th Sem (CBCS - Honours)	ARA-HC-6016 (Modern Arabic Prose and Poetry - II) ARA-HE-6016 (Functional Arabic - II) ARA-HE-6026 (Translation, comprehension)	Unit-I - الأساس الالوي Unit-II - النص الاصح (و) علو اللغة Unit-III - اوصية الواجبات ... Unit-IV - I, II, III & IV	"	90		215, 374, 509 511, 513
4th Sem (SEC)	ARA-HC-4014 SPOKEN ARABIC-II	Unit-I (as Pronouns and Possessive and their usage (و) Basic structure of sentences (و) Subject & Predicate (و) Verbs and Tenses Unit-II - conversation Practice	Different books in Arabic Grammar and spoken Arabic also audio visual aids.	20	8	

\*HOD will allocate remedial classes and students for mentoring

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Signature of the faculty member Abdul Muftid Md Hassan

Signature of the HOD..... [Signature]



# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department... Geography .....

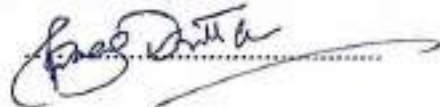
Name of Faculty Member... PARAG DUTTA .....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
2 <sup>nd</sup> Sem.	GGY-HE-2026 (Climatology & Biogeography)	Group A (Entire Unit) - Theory - Practical (Part B) - Climatology	Textbooks of Phy. Geog. Climatology by D.S. Lal, Use Netguide, Youtube & Slideshare presentations	25 (Theory) (+ 5 hr) 20x2=40 (Practical classes)	10* (For students who did soft core Geog in HS schooling)	Attached.
4 <sup>th</sup> Sem	GGY-SE (4054) Surveying Techniques	Part I - (Theory) - Entire Unit Part II (Practical) - Entire Unit.	Cartography Textbooks - Surveying & Levelling books - Youtube videos for Practical.	20 class. 40 class. (20x2)	-	Attached.
2 <sup>o</sup>	GGY-HG-4076 (Pop'n & Settlement Geography)	Unit II: Settlement Geography	Human Geog Textbooks - - Practical (3 Exercises)	14 (Th) 6 class	-	(Generic Students)
6 <sup>th</sup> Semester	GGY-HE-6066 (Geog of resource devt) - GGY-HE-6020	Part I - Theory (All Units) Part II - Practical ( " ) - Part II (Project)	- Economic Geog Textbook - Resource Geog (Textbook) - Slideshare (Part I) (Guide for Project)	40 class (Th) 40 class (Pr)	-	Attached.


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Signature of the faculty member



Signature of the HOD

  
Hea.,  
Deptt. of Geography  
A.D.P. College

# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department.....Mathematics.....

Name of Faculty Member.....Dr. Gayatri Das.....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II (Honours)	MAT-HC-2016 Real Analysis	<p><u>Unit-I</u> Algebraic and order properties of <math>\mathbb{R}</math>, absolute value and real line, bounded set, sup, b inf. .... the density theorem. .... nested interval theorem.</p> <p><u>Unit-II</u> Real sequences, limit of a sequence ..... monotonic seq. bounded ..... Cauchy seq. Cauchy's cgt. criterion ..... properly divergent sequence.</p>	Introduction to real Analysis; R.G. Bartle and D.R. Sherbert (3rd ed.)	36	04	14, 19, 22, 23 44, 49, 73, 75 89
II (Generic)	MAT-HG-2016 Algebra	<p><u>Unit-I</u>: theory of equations and expansion of Trigonometric f<sup>n</sup>. Fundamental th<sup>m</sup> of Algebra. Relation between roots &amp; Coefft of <math>n^{\text{th}}</math> degree eq<sup>n</sup> ..... De Moivre's th<sup>m</sup> ..... expansion for in terms of powers in terms of cosine and sine of multiple of <math>\theta</math>.</p> <p><u>Unit-III</u> Groups, rings and vector space</p> <p>Integer modulo <math>n</math>, permutation groups subgroups ..... <math>\mathbb{Z}_6^n</math> and examples of vector space, subspaces and its properties, L.D. &amp; L.I. Basis and dimension of a vector space.</p>	<p>I) Algebra; Dr. Deep Jyoti Kalita</p> <p>II) Algebra; Dharendra Kumar Dhal</p>	30	—	

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Signature of the faculty member .....Dr. Gayatri Das.....

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# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

 Department Mathematics

 Name of Faculty Member Dr. Gayatri Das

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
<u>IV</u> (Honours)	MAT-HE-4036 Ring Theory	Unit - I : Definition and examples of rings, subrings, integral domain ring homo. - - - Isomorphism in $\mathbb{Z}, \mathbb{R}, \mathbb{C}$ field & quotients	Contemporary Abstract Algebra: Joseph A. Gallian, (4 <sup>th</sup> ed)	40	04	1, 3, 16, 19, 24 29, 34, 36, 37 41, 42, 45
		Unit - II : Polynomial rings over commutative rings, division algorithm and consequences - - - Eisenstein criterion, - - - Divisibility in $\mathbb{Z}$ , irreducibles, primes $\mathbb{Z}[D]$ , Euclidean domain.	- do -			
<u>VI</u> (Honours)	MAT-HE-6066 Group Theory-II	Unit-I : Isomorphism, automorphisms inner auto, auto. groups; External direct products of groups and their properties; The groups of units modulo $n$ are external direct products.	Gallian, Joseph A (2013), Contemporary abstract Algebra (8 <sup>th</sup> ed.)	45	04	79, 102, 103, 146, 155, 156, 166
		Unit-II : Normal subgroups, factor groups and their applications, Ist P. of subgroups, fundamental th <sup>m</sup> of finite Abelian groups, isomorphism classes of finite abelian groups.	2) A Course in Abstract Algebra: Khanna B. Bhambhani			
		Unit-III : Conjugacy classes - - The Sylow th <sup>m</sup> and their applications Unit-IV : Finite simple groups, non-simplicity tests - - - Jordan th <sup>m</sup> Embedding th <sup>m</sup> and applications Simplicity of $A_5$ .				

\*HOD will allocate remedial classes and students for mentoring

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 Signature of the faculty member Dr. Gayatri Das

 Signature of the HOD Dr. Gayatri Das

# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department... Mathematics .....

Name of Faculty Member... Dr. Nitin Sarma .....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
Sem II (Major)	MAT-2C-2026 (Differential Equa <sup>n</sup> )	Unit 1: Differential equations and mathematical models, general, particular, explicit, implicit, Exact D.E, Integrating factors, linear equation and Bernoulli equations, Transformations.	1) Mathematical Modelling with Case studies, using Maple and MATLAB. - Debraj Palit	32	04	114, 143, 169, 176, 181, 183, 199, 213, 218
		Unit 2: Introduction to compartmental model, exponential decay model, lake pollution model, limited growth of population, limited growth with harvesting.	Glen R. 2) Differential Equations - Shapley L. Ross.			
Sem IV (Major)	MAT-2C-4016 (Multivariable Calculus)	Unit 1: Functions of several variables level curves and surfaces, limits and continuity, partial differentiation, The gradient, Maximal and minimal property of the gradient, Tangent planes and normal lines.	Calculus - Strauss, Manly J., Poedley			46, 47, 50, 51, 52, 59, 76, 86, 87, 93, 124.
		Unit 2: Direction of functions of two variables, definition of vector field, div, grad and curl.	Gerald L, & Smith Karl J.	36	02	
		Unit 3: Double integration over rectangular and non rectangular regions, change of variables in double and triple integrals				

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Signature of the faculty member

Dr. Sarma .....

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# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department. History

Name of Faculty Member. Dr. Minamuddin Ahmed

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II Sem (M)	HIS-HE-2016 History of India II HIS-HE-2026 Social Formation & Cultural Pattern	Unit - II 'Changing political Formations. Unit II - Roman Republic II	D. D. Kosambi: An Introduction to the Study of Indian Hist. Rach Gosh. - Feudal Society.	30	04	452, 458, 472, 473, 480, 482, 485, 489, 476
IV (M)	HIS-HE-4016 Rise of the Modern World II HIS-HE-4036 Hist. of India VI	Unit - European Economy Unit - IV Politics in 18th cent. Unit - II Mughal Empire under Aurangzeb.	C. Hill - A Century of Revolution Hist. of medieval Ind. - Satish Chandra	50	04	498, 499, 526, 531, 536, 554, 562.
VI (M)	HIS-HE-6016 Hist. of Assam 1826-1947	Unit - I Unit - III	H. K. Bhauspuri, A Comprehensive History of Assam	70	05	299, 300, 319, 325, 407, 412.
II (G)	HIS-HG-2016 Hist. of India (1206-1757)	Unit - III: Foundation of Mughal Empire	R. P. Tripathy: Rise & Fall of the Mughal Empire	16	04	13, 29, 33, 92, 95, 105, 111, 115, 126.
IV (G)	HIS-HG-4016 Soc. & Eco. Hist. of Assam	Unit - II Society in medieval Assam.	S. L. Baruah: A Comprehensive Hist. of Assam	16	04	

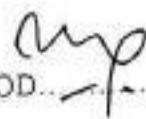
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SEMESTER AND CATEGORY (Honours/Generic)	TITLE OF PAPER & PAPER NUMBER	UNIT AND TOPIC TO BE COVERED	E-CONTENT TO BE USED (Give one creation details later) *COMPULSORY*	TOTAL PERIODS TO COMPLETE THE COURSE	ICT TOOLS TO BE USED * COMPULSORY *	NUMBER OF REMEDIAL CLASS PROPOSED ** * COMPULSORY *	ROLL NO. OF STUDENTS TO BE MENTORED** (GIVE NAMES SEPARATELY) *COMPULSORY*
SEMESTER-II (HONOURS)	Organic Chemistry I CHE-HC-2016	<p><b>Stereochemistry:</b> Fischer Projection, Newmann and Sawhorse Projection formulae and their interconversions; Geometrical Isomerism: cis-trans and syn-anti isomerism, E/Z notations with CIP rules.</p> <p><b>Optical Isomerism:</b> Optical Activity, Specific Rotation, Chirality/Asymmetry, Enantiomers, Molecules with two or more chiral-centres, Distereoisomers, meso structure, Racemic mixture and resolution. Relative and absolute configuration: D/L and R/S designations.</p> <p><b>Aromatic Hydrocarbons</b> Hückel's rule, aromatic character of arenes, cyclic carbocations/ carbanions and heterocyclic compounds with suitable examples. Electrophilic aromatic substitution: halogenation, nitration, sulphonation and Friedel-Craft's alkylation/acylation with their mechanism. Directing effects of the groups.</p>	Related You tube videos etc.	16	MS Power Point, Google Class Room etc.	12	6,35,83,87,97,102,129,255,269,283,303,304
SEMESTER-IV (HONOURS)	Organic Chemistry CHE-HC-4026	<p><b>Heterocyclic Compounds:</b> Classification and Nomenclature, Structure, aromaticity in 5-membered and 6-membered rings containing one heteroatom; Synthesis, reactions and mechanism of substitutions reactions of Furan, Pyrrole (Paal-Knorr synthesis, knorr pyrrole synthesis, Hantzsch synthesis), Thiophene, Pyridine (Hantzsch synthesis), Pyrimidine. Indole: Fischer indole synthesis and Madelung</p>	Related You tube videos etc.	22	MS Power Point, Google Class Room etc.	08	5,6,9,12,14,15,22,28,30,31,44,48,49

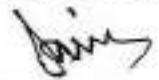


		synthesis. Quinoline and isoquinoline: Skraup synthesis, Friedlanders synthesis.				
		Introduction to absorption and Emission spectroscopy				
		UV Spectroscopy: Types of electronic transitions, Chromophores and Auxochromes, Bathochromic and Hypsochromic shift, Application of Woodward rules for calculation of $\lambda_{max}$ .				
		IR Spectroscopy: Fundamental and non-fundamental molecular vibrations; IR absorption positions of N, O and S containing functional groups; Effect of H-bonding.				
SEMESTER-VI (HONOURS)	Organic Chemistry CHE-HC-6026	NMR Spectroscopy: Principle, Chemical shift and factors influencing it; spin-spin coupling and coupling constant, Anisotropic effect. ESR Spectroscopy: Principle, hyperfine structure, ESR of simple radicals. Applications of IR, UV and NMR for identification of simple organic molecules.	24	MS Power Point, Google Class Room etc.	10	4,7,12,22,38,61,64,66, 87,91,93

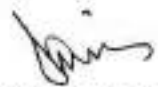
SEMESTER-VI (HONOURS)	Inorganic Chemistry (P) CHE-HC-6016	<ol style="list-style-type: none"> <li>1. Qualitative analysis of an unknown inorganic salt containing 3 anions and 3 cations.</li> <li>2. Controlled synthesis of two copper oxalate hydrate complexes: kinetic vs thermodynamic factors.</li> <li>3. Synthesis of ammine complexes of Ni (II) and their ligand exchange reaction involving dmg.</li> </ol>	Related You tube videos etc.	30	MS Power Point, Google Class Room etc.	
	Organic Chemistry (P) CHE-HC-6026	<ol style="list-style-type: none"> <li>1. Qualitative analysis of an unknown organic compound containing monofunctional group.</li> <li>2. Extraction of caffeine from tea leaves.</li> <li>3. Preparation of methyl orange.</li> </ol>				
	Green Chemistry (P) CHE-HE-6016	<ol style="list-style-type: none"> <li>1. Preparation of biodiesel from vegetable oil.</li> <li>2. Vitamin C clock reaction using Vitamin C tablets.</li> <li>3. Reaction between furan and maleic acid in water.</li> </ol>				

**\*\* HOD will allocate remedial classes and students for mentoring**

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SIGNATURE OF THE FACULTY MEMBER :



SIGNATURE OF THE HOD :



# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)

Department Chemistry

Name of Faculty Member Ambalika Phongle

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF THE STUDENTS TO BE MONITORED* (give names separately)
2 <sup>nd</sup> Semester (Major)	CHE-HC-2016 Organic Chemistry I	<p><b>Basics of organic chemistry-</b> Organic Compound, Electronic Displacements, Introduction to types of organic reactions and their mechanism and fission and reaction intermediates. Introduction to types of organic reactions and their mechanism.</p> <p><b>Cycloalkanes and Conformational Analysis-</b> Stability, conformation analysis, of cycloalkanes, Baeyer strain theory, Energy diagrams of cyclohexane: Chair, Boat and Twist boat forms.</p> <p><b>Aromatic Hydrocarbons-</b> Hückel's rule, aromatic character of arenes, cyclic carbocations/ carbanions and heterocyclic compounds. Important reactions and mechanism of aromatic hydrocarbons.</p>	-NIL-	44	8	Farhad Ahmed (11) Santanu Shankar Bharali (16) Shahnaz Parbin (36) Bhargob Baruah (61) Jirmi Tissopi (110) Krishna Gopal Nath (128) Abinash Bora (131) Sasankaa Nath (188) Rashmi Baruah (245) Famina Ahmed (262) Shakil Ahmed (295)
4 <sup>th</sup> Semester	CHE-HC-4016	<b>Transition Elements-</b> electronic				

(Major)	Inorganic Chemistry-III	<p>configuration, colour, variable valency, magnetic and catalytic properties, Latimer &amp; Frost diagrams of transition elements, Chemistry of Ti, V, Cr Mn, Fe and Co etc.</p> <p><b>Coordination Chemistry-</b> basic concept, isomerism, stereochemistry of Coordination compounds. Valence bond theory, Crystal field theory, Jahn-Teller theorem, MO Theory, Chelate effect, polynuclear complexes, labile and inert complexes.</p> <p><b>Lanthanoids and Actinoids-</b> Electronic configuration, oxidation states, colour, spectral and magnetic properties, lanthanide contraction, separation of lanthanides</p>	-NIL-	50	12	<p>Suman Das (190) Sarkuru engti (207) Jabasri Hazarika (233) Anjuma Khatun (239) Ayesha Siddika (241) Mehbuba Sultana (250) Himangshu Sarma (287) Afsana Azmin (290) Amirul Hussain (293) Kopi Nazmi Talukdar (305) Arjun Majumdar (313) Koushik Kashyap (123)</p>
4 <sup>th</sup> Semester (Major)	CHE-HC-4026 Organic Chemistry III	<p><b>Nitrogen Containing Functional Groups-</b> Preparation and important reactions of nitro and compounds, nitriles and isonitriles. Preparation, reactions and basic properties of Amines. Diazonium Salts.</p> <p><b>Polynuclear Hydrocarbons-</b> structure, preparation and</p>	-NIL-	32	6	<p>Suman Das (190) Sarkuru engti (207) Jabasri Hazarika (233) Anjuma Khatun (239) Ayesha Siddika (241) Mehbuba Sultana (250) Himangshu Sarma (287) Afsana Azmin (290) Amirul Hussain (293) Kopi Nazmi Talukdar (305)</p>



		<p>reactions of naphthalene phenanthrene and anthracene. Polynuclear hydrocarbons</p> <p><b>Terpenes-</b> Occurrence, classification, isoprene rule; Elucidation of structure and synthesis of Citral, Neral and <math>\alpha</math>-terpineol.</p>				<p>Arjun Majumdar (313) Koushik Kashyap (123)</p>
4 <sup>th</sup> Semester (Major)	CHE—SE-4016 Analytical Clinical Biochemistry	<p><b>Basic understanding of the structures, properties and functions of carbohydrates, lipids and proteins-</b> Carbohydrates, Proteins, lipids, lipoproteins, enzymes and nucleic acids. DNA, RNA. Transcription, replication etc.</p>	-NIL-	30	8	<p>Suman Das (190) Sarkuru engti (207) Jabasri Hazarika (233) Anjuma Khatun (239) Ayesha Siddika (241) Mehbuba Sultana (250) Himangshu Sarma (287) Afsana Azmin (290) Amirul Hussain (293) Kopi Nazmi Talukdar (305) Arjun Majumdar (313) Koushik Kashyap (123)</p>
4 <sup>th</sup> Semester (Generic)	CHE AC/HG-444 Chemistry 4	<p><b>Solutions-</b> ideal and non ideal solution, Raoult's law, Azeotropes, critical solutions, miscible and immiscible liquids</p> <p><b>Phase equilibrium-</b> phase rule, Clausius-Clapeyron equation, phase diagrams, congruent and incongruent points etc.</p> <p><b>Conductance-</b> conductivity, Kohlrausch law, transference</p>	-NIL-	30	6	NA

		<p>number and Hittorf method, solubility, determination of degree of ionization etc.</p> <p><b>Electrochemistry-</b> reversible and irreversible cells, EMF cells, Nernst equation, standard electrode potential, thermodynamic properties calculation, pH determination, potentiometric titrations etc.</p>				
6 <sup>th</sup> Semester (Major)	CHE-HC-6016 Inorganic Chemistry-IV	<p><b>Mechanism of Inorganic Reactions-</b> Inorganic reaction mechanisms, Trans-effect, mechanism and kinetics of nucleophilic substitution in square planar &amp; octahedral complexes. Ligand field effects and reaction rates, Electron transfer reactions.</p> <p><b>Organometallic Compounds-</b> Concepts of organometallic compounds, Metal carbonyls: preparation, structure, behaviour. Zeise's Salt, Metal Alkyls: Ziegler – Natta Catalyst, Grignard reagent, Schlenk equilibrium. Ferrocene: Preparation and reactions, structure and aromaticity.</p> <p><b>Transition Metals in Catalysis-</b> Wilkinson's Catalyst, Co catalysts,</p>	-NIL-	60	10	<p>Chandrakanta Timung (234) Niharika Bharati (238) Pabin Saikia (289) Chittaranjan Nath (321) Nilabh Jyoti Bora (331) Ankur Kakati (349) Archana Priyam Kalita (362) Sabir Naimul Iman (376) Palash Konwar (53) Deepjyoti Saikia (132)</p>



		Wacker Process, Fischer Tropsch reaction and Synthesis gas.  <b>Theoretical Principles in Qualitative Inorganic Analysis (H2S Scheme)-</b> principles involved in analysis and separation of cations and anions and solubility products, common ion effect, Interfering anions and their removal.				
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**\*HOD will allocate remedial classes and students for mentoring**

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# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)


Department.....Botany.....


Name of Faculty Member.....Dr. Rajib Kanyung.....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
2nd Sem (Honours)	BOT-HC-2016 Mycology & phytopathology. BOT-HC-2026 Archeogonide	Unit: 10: Phytopathology. Unit: 4: Pteridophytes Unit: 5: Types studies of pteridophytes		10 20	06	218, 222, 225, 230, 232, 237, 242, 243, 247, 252, 258, 270, 272
2nd Sem (Generic)	BOT-HC-2016 Plant Ecology & Taxonomy	Unit 8: Taxonomic evidences. Unit 9: Taxonomic hierarchy Unit 10: Botanical Nomenclature. Unit 12: Biometrics, Numerical Taxonomy and cladistics.	Plant Taxonomy - OP Gupta ICN (McKinnon code 201)	6 2 12		
4th Sem (Honours)	BOT-HC-4016 Molecular Biology BOT-HC-4036	Unit 6: 6: Processing and Modification of RNA Unit: 7: Translation Unit 3: - Systems & classification Unit 4: Numerical taxonomy & cladistics. Unit 5: Phylogeny & Angiosperms.	Lehninger: Principle of Biochemistry Biochemistry - B.L. Rastogi Plant Taxonomy - OP Sharma.	6 32	06	218, 222, 225 230, 232, 237 242, 243, 247, 252, 258, 270, 272
4th Sem (Generic)	BOT-HC-4016 Plant anatomy & Embryology	Unit: 5: Structural organisation of flower Unit: 5: Pollination & fertilization.	" "	6		
6th Sem (Honours)	BOT-HC-6016 BOT-HC-6026	Unit: I: Concept of metabolism Unit: 5: ATP synthesis. Unit: 6: Lipid metabolism Unit: 8: Mechanism of signal transduction Unit 2: Recombinant DNA Technology Unit: 4: Microbial enzymes & enzymes immobilization.	Lehninger: Principles of Biochemistry. Molecular Biology - Robertis & Robertis. Biotechnology - BB Singh.	28 12	05	280, 282, 288, 292, 301, 305, 310, 311, 313 319.

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# TEACHING PLAN OF FACULTY MEMBERS, ADP COLLEGE, 2022-2023 (Even Semester)


Department.....COMMERCE.....

Name of Faculty Member.....RASHMI SHARMA.....

SEMESTER & CATEGORY (Major/Gen)	PAPER CODE & TITLE	UNIT AND TOPIC TO BE COVERED	BOOK & E-CONTENT TO BE USED (give own creation details separately)	TOTAL PERIODS TO COMPLETE THE COURSE	NUMBER OF REMEDIAL CLASS*	ROLL NO OF STUDENT TO BE MENTORED* (give names separately)
II	Insurance & Risk Mgt. COM-GE-2046(A)	I. Risk II- Insurance III- types of Insurance Principles of Insurance IV- Malfeasance/Regu. Framework.	By: Ashok Book Stall + Kalyani Publisher www.academia.edu examupdates.in	40	05	1-35
IV	Human Resource Management COM- HC-4036	I- Introduction II- Acquisition of Human Resource III- Training & Development IV- Performance Appraisal V- Maintenance	By: Kalyani Publish. - Ashok Book Stall www.management studyguide.com	40	05	1-45
VI	Fundamentals of Investment COM-DBE-HC-6036(A)	Unit I - Investment Environment II - Fixed Income Securities III: Approaches to Equity Analysis IV. Portfolio Analysis V- Investor Protection.	By: Kalyani Publish ; Ashok Book Stall www.topps.com	40	05	1-75

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