

LESSON PLANS FOR
INTERMEDEDATE CLASSES
VOLUME NO - 5
FOR AFFILIATED COLLEGE OF
BOARDS OF INTERMEDIATE & SECONDARY EDUCATION,
PUNJAB



GOVERNMENT OF THE PUNJAB
HIGHER EDUCATION DEPARTMENT
DIRECTOR PUBLIC INSTRUCTION (COLLEGES),
PUNJAB
2016-2024

PREFACE

Accounting

With the personal interest of the Secretary Higher Education, to inculcate a true academic culture in the public sector colleges, an Academic calendar and Lesson Plans have been designed for the academic year 2016-2024. The subject-wise description of syllabi of theory and practical's on monthly basis is detailed out for guidance of both the teacher and taught. Since the syllabus for Intermediate classes is same throughout the Province, , **Volume-5 contains Lesson plans for the Intermediate classes exclusively.** For the Graduate classes of 2-year durations, the lesson plans are issued in four volumes: Volume I to Volume 5 up to graduate classes of Punjab University, Islamia University, Bahauddin Zakriyah | University and University of Gujrat respectively.

1st YEAR-ACCOUNTNG (I-COM)

Month	Break up of the syllabus to be completed
SEPTEMBER	Accounts from incomplete record, Non trading concerns.
OCTOBER	Consignments Account
NOVEMBER	Lesson 1,2,4,5,6 Company Account
DECEMBER	Depreciation Mid-Term + Winter Vacation
JANUARY	Partnership I, II
FEBRURARY	Partnership III

MARCH	Objective + Revision Sent up Exams
ARRIL	Revision + Test

2ndYear Accounting (I-COM)

Month	Break up of the syllabus to be completed
SEPTEMBER	Introduction, Accounting Principles and Equations
OCTOBER	Journal, Ledger, Lesson 4,5,6,7,8
NOVEMBER	Banking Transactions, Bill of Exchange
DECEMBER	Cash Book, Bank Reconciliation Statement Mid Term Exams + Winter Vacation
JANUARY	Final Account, Final Account with Adjustment
FEBRURARY	Capital and Revenue, Rectification of Errors
MARCH	Objective + Revision Sent up Exams

ARRIL	Revision + Test
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NOTE:

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- 3) Midterm and send -up examination in the month of December and March

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PREFACE

Arabic

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1st Year ARABIC

Month	Break up of the syllabus to be completed
SEPTEMBER	6 تا سبق نمبر 1 سبق نمبر
OCTOBER	13 تا سبق نمبر 7 سبق نمبر
NOVEMBER	19 تا سبق نمبر 14 سبق نمبر

DECEMBER	Midterm Exams + Winter Vacation 20 سبق نمبر
JANUARY	22،21،20 سبق نمبر
FEBRURARY	24،23 سبق نمبر
MARCH	Sent up Exams سبق نمبر 25
APRIL	Revision Through Tests

2nd Year ARABIC

Month	Break up of the syllabus to be completed
SEPTEMBER	6 تا سبق نمبر 1 سبق نمبر
OCTOBER	12 تا سبق نمبر 7 سبق نمبر
NOVEMBER	18 تا سبق نمبر 13 سبق نمبر
DECEMBER	Mid-Term Exams + Winter Vacation 19 سبق نمبر
JANUARY	21،20،19 سبق نمبر
FEBRURARY	22 ،24،23 سبق نمبر
MARCH	Sent up Exams 25 سبق نمبر

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Biology

PREFACE

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1ST Year BIOLOGY

Month	Break up of the syllabus to be completed
SEPTEMBER	Ch. 1. Biology and its Major Fields of Specialization Ch.2. Biological Molecules
OCTOBER	Ch.3. Enzymes

OCTOBER	Ch.4. The Cell Ch.5. Variety of Life Ch.6.Kingdom Prokaryote (Menore)
NOVEMBER	Ch.7. The Kingdom Protista (Protoctista)
DECEMBER	Ch.9.Families of angiosperms
JANUARY	Ch.10. Kingdom Animalia, ch,11,Bioenergetics
FEBRURARY	Ch.12. Nutrition, Ch. 13. Gaseous Exchange
MARCH	Ch.14. Transport in Plants and Animals

2ndYear BIOLOGY

Month	Break up of the syllabus to be completed
SEPTEMBER	Ch.15. Homeostasis Ch.16. Support and movement
OCTOBER	Ch.17. Coordination Ch.18. Reproduction
NOVEMBER	Ch.19. Growth and development Ch.20. Chromosomes and DNA
DECEMBER	Ch.21.Cell Cycle
JANUARY	Ch.22. Variation and Genetics

APRIL	Revision through Tests
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PREFACE:

Biology- Practical

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1st Year Biology (Practical)

Month	Break up of the syllabus to be completed
SEPTEMBER	1. Identification of Bio Chemicals from Biological materials.

	2. Study of Starch breakdown in germinating gram seeds.
OCTOBER	3.Study of effect of temperature, pH value and enzyme and susterate concentration on the activity of enzyme (Pepsin) 4.Sudy of animal cell (Frog's epiteliu m cell, Frog's Buccal cavity cells) and plant cells (Mesophyll cells, Leaf epidermis cell, Onion epidermis Cell) by staining with Safrainne, Acid, Fuchil, Methylene Blue and Eosine. 5.Effect of different concentration of salt or sugar solution on Animal and plant cell. 6.Labortory safety techniques and use of microscope and measurement of microscopic object by Micrometry, Microbiological Techniques: Preparation and sterilization of culture media and equipment, Gorwing culture of non-pathogenic becteria. Gram staining and microscopes examination of stained bacteria and bacteria from prepared slieds. Investigation of bacterial content of fresh and stale milk. 9.Sudy of Nostoc from fresh material and prepared slides. 10. Identification of Chlorella, Paramecium, Amoeba, Antamoeba, Plasmodium (Material Parasite) Euglena, Volvox, Ulothrix and Ulva.
NOVEMBER	11.Examination of Mechantia and Funaria (External Morpholgy) from fresh material and of Sex organs from prepared slides.

November	Study of yeast, ustilage tritici and penicillium from fresh mateirals and slides, from fresh materials of prepared slides. Study of Adiantum: Sporophyte plant body, preparation of slide of sporoangia from fresh materials, prothallus (Gamertophyte) from fresh material or preserved material/ slide.
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	Study of Pinus: Male and Female cones from fresh or preserved materials. Study of different types of inflorescence of Cassia, Achyranthus, Morus, Iberis, Brassica, Foeniculum, Avena, Helianthus, Tradescantia/ Ipomoea and Euphorbia. Describe in technical terms including inflorescence, floral formula and floral diagram of commonly available flowers (e.g. Rose, Solanum, Cassia / Lathyrus Odoratus, Oat) of following families Angiosperms: Rosaceae, Solanaceae, Legume families.
JANUARY	General Survey of major animal phyla : invertebrates to phylum and vertebrates up to class level. Extraction and Chromatography of leaf chloroplast pigments. Investigation of effect of different concentration of glucose solution on opening and closing of stomata. Study of T.S. of Liver, Stomach, small Intestine , large intestine of man (from prepared slides) 21.Exposure of digestive system of Frog and Cockroach. 22.Exposure of respiratory system of Frog. 23. Demonstration of Osmosis in living cells (manifested by plasmolysis and deplasmolysis).

FEBRUARY	24. Investigation and Measurement of factors affecting rate of transpiration using photometer (Factors include wind, removal of some leaves, covering lower epidermis with Vaseline). 25.Study from prepared slides of internal using nail varnish or epidermal peel. 26.Investigation of Stomatal distribution using nail varnish or epidermal peel. 27.Study of prepared, stained slides of Human blood including identification of phagocytes and lymphocytes and preparation of slide of blood smear of Frog. 28. Study of structure of artery, vein and capillary from their TS (Prepared Slide)
MARCH	Study of the effect of Acetylcholine and Adrenaline on the heartbeat of Frog. Exposure of blood circulatory system of Frog (heart and main blood vessels) Measurements of blood Pressure (B.P) during and after the exercise with B.P apparatus.

2st Year Biology (Practical)

SEPTEMBER	Investigation of adaptive features of hydrophytes, halophytes, xerophytes and mesophytes from fresh material and prepared slides. Exposure of urinogenital system of frog.
OCTOBER	3. Study of simple muscle twitch using frog’s muscle.

	Study of skeletal, smooth and cardiac muscles from prepared slides and preparation of slide of striated muscles of cockroach. study of skeleton of frog. study of skeleton of frog. investigation of movements of plants (phototropism and geotropism)
NOVEMBER	exposure of nervous system of cockroach. Investigation of effects of indoleacetic acid (IAA) on growth of OAT coleoptile (or on the growth of germinated barley seeds). Study of ductless glands (pancreas, thyroid) using microscopic sections. Study of structure of Hen’s egg. Study of development of chick embryo 48/72 hours after incubation.
JANUARY	13. preparation of root tip squashes to study stages of mitosis.

	preparation of squashes of heodiscolor floral buds to study meiosis from prepared slides and study of polytene chromosome. study of continuous variation in the height in man and discontinuous variations of tongue rolling in man and recording the result as histograms.
FEBRUARY	investigation of water contents of soil sample. Investigation of approximate soil texture (rough estimate of proportion of particles of different size in a soil sample). Investigation of food chain and food web of a pond ecosystem.
MARCH	Sampling of grassland community by quadrat method. Estimation of pyramids of numbers using simple technique.
SEPTEMBER	Investigation of adaptive features of hydrophytes, halophytes, xerophytes and mesophytes from fresh material and prepared slides. Exposure of urinogenital system of frog.
OCTOBER	3. Study of simple muscle twitch using frog’s muscle.

	Study of skeletal, smooth and cardiac muscles from prepared slides and preparation of slide of striated muscles of cockroach. Study of skeleton of frog. Study from prepared slides of plant supporting tissues such as collenchyma and sclerenchyma. Investigation of movements of plants (phototropism and geotropism).
NOVEMBER	Exposure of nerous system of cockroach. Investigation of effects of indoleacetic acid (IAA) on growth of OAT coleoptile (or on the growth of germinated barely seeds). Study of ductless glands (Pancreas, thyroid) using Microsoft sections. Study of structure of Hen’s egg. Study of development of chick embryo 48/72 hours after incubation.
JANUARY	Preparation of root tip squashes to study stages of mitosis. Preparation of squashes of rhediscolor floral buds to study meiosis from prepared slides and study of polytene chromsosome. Study of continuous variations in the height in man and discontinuous variation of tongue
FEBRUARY	Investigation of water contents of soil sample. Investigation of approzimate soil texture (rough estimate of proportion of particles of different size in a soil sample).

	18. Investigation of food chain and food web of a pond ecosystem.
MARCH	19. Sampling of grassland community by quadrate method. 20. Estimation of pyramids of number using simple technique.

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Chemistry

PREFACE

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1stYear CHEMISTRY

Month	Break up of the syllabus to be completed
SEPTEMBER	Chapter 1
OCTOBER	Chapter 2,3,4
NOVEMBER	Chapter 5,6
DECEMBER	Mid Term Exams + Winter Vacation
JANUARY	Chapter 7 , 8
FEBRURARY	Chapter 11 Sent up Test
MARCH	Revision

2nd Year CHEMISTRY

Month	Break up of the syllabus to be completed
SEPTEMBER	Chapter 7,8 (half)
OCTOBER	Chapter 8 (half), 9,10,11
NOVEMBER	Chapter 12, 13, 14

DECEMBER	Mid Term Exams + Winter Vacation
JANUARY	Chapter 15,16,1
FEBRURARY	Chapter 2,3,4
MARCH	Chapter 5, 6 Sent up Exams
APRIL	Revision

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PREFACE :

Chemistry- Practical

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1st Year CHEMISTRY (Practical)

SEPTEMBER	3. Detictation of elements in a given organic compound. 2. Preparation of Aspirin.
OCTOBER	Preparation of Iodoform. Preparation of Gluce sazone. Preparation of Copper Amine complex. Identification of functional groups.

NOVEMBER	Salt Analysis: 1 st and 2 nd Group Acid Radicals
JANUARY	Salt Analysis: 3 rd Group Acid Radicals 1 st and 2 nd Group Basic Radicals
FEBRUARY	Salt Analysis: 3 rd 4 th and 5 th Group Basic Radicals
March	Salt Analysis : 6 th Group Basic Redicals

2st Year CHEMISTRY (Practical)

SEPTEMBER	3. Detictation of elements in a given organic compound. 2. Preparation of Aspirin.
OCTOBER	Preparation of Iodoform. Preparation of Gluce sazone. Preparation of Copper Amine complex. Identification of functional groups.

NOVEMBER	Salt Analysis: 1 st and 2 nd Group Acid Radicals
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FEBRUARY	Salt Analysis: 3 rd 4 th and 5 th Group Basic Radicals
March	Salt Analysis : 6 th Group Basic Redicals

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Geography

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1st Year - GEOGRAPHY

Month	Breakup of the syllabus to be completed
SEPTEMBER	PUNJAB Text Book Board Chapter 1,2
OCTOBER	PUNJAB Text Book Board Chapter 3,4

NOVEMBER	PUNJAB Text Book Board Chapter 5,6,7 (half)
DECEMBER	PUNJAB Text Book Board Chapter 7 (complete)
December	Midterm Exams + Winter Vacation
JANUARY	Punjab Text Book Board Chapter 8
FEBRUARY	Punjab Text Book Board Chapter 9 + Practical Work
MARCH	Revision + Practical Work Sent up Exams
APRIL	Revision

2nd Year - GEOGRAPHY

Month	Breakup of the syllabus to be completed
SEPTEMBER	PUNJAB Text Book Board Chapter 1,2
OCTOBER	PUNJAB Text Book Board Chapter 3,4
NOVEMBER	PUNJAB Text Book Board Chapter 5,6,7 (half)
DECEMBER	PUNJAB Text Book Board Chapter 7 (complete)

JANUARY	PUNJAB Text Book Board Chapter 8,9,10,11
FEBRUARY	PUNJAB Text Book Board Chapter 12,13,14,15
MARCH	Sent up Exams
APRIL	Chapter 16 + Practical Work

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PREFACE:

Geography- practical

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1st Year GEOGRAPHY (Practical)

2nd -YEAR GEOGRAPHY (Practical)

Month	Break up of the syllabus to be completed
SEPTEMBER	1 st Chapter
OCTOBER	2 nd Chapter 1 st Half
NOVEMBER	2 nd Chapter
JANUARY	3 rd Chapter 1 st Half
FEBRUARY	3 rd Chapter 1 st Half
MARCH	Revision of Previous work

Month	Break up of the syllabus to be completed
SEPTEMBER	Introduction 4 th Chapter
OCTOBER	4 th Chapter
NOVEMBER	5 th Chapter
JANUARY	6 th Chapter 1 st Half
FEBRUARY	6 th Chapter 2 nd Half
MARCH	Revision

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PREFACE

Computer science

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1stYear COMPUTER SCIENCE

Month	Break up of the syllabus to be completed
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SEPTEMBER	Basis of Information Technology
OCTOBER	Computer Architecture
NOVEMBER	Data Communication
DECEMBER	Information Networks (half) Mid Term Exams + Winter Vacation
JANUARY	Information Networks (complete) Application and Uses of Computer
FEBRURARY	Fundamental of Internal, Security, Copyright and Law.

MARCH	Word Processing, Spreadsheet software. Sent up Exams
APRIL	Revision

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2nd Year COMPUTER SCIENCE

Month	Break up of the syllabus to be completed
SEPTEMBER	Introduction of C, Basic Elements of C
OCTOBER	Input and Output Statements, Decision making statements
NOVEMBER	Loops, Functions in C (half)
DECEMBER	Functions in C (Complete) Mid Term Exams + Winter Vacation
JANUARY	File Handling In C, Data Basis
FEBRURARY	Basic concepts and terminology of databases, Database decision process
MARCH	Data Integrity and Normalization Sent up Exams

APRIL	MS Access, Revision
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1st Year – Computer Science (Practical)

2nd Year – Computer Science (Practical)

Month	Break up of the syllabus to be completed
SEPTEMBER	MS Word (File Menu)
OCTOBER	MS Word (Edit, View, Insert, Menu)

NOVEMBER	MS Word (Format, Tools, Table, Menu)
DECEMBER	MS Word (Creation of Worksheets)
JANUARY	MS Word (Creation of Worksheets : Using Formulas and Charts)
FEBRUARY	MS EXCLE (CREASTION Fof worksheets : Using formula and Charts)
MARCH	Using of Internet
APRIL	REVISION

Month	Break up of the syllabus to be completed
SEPTEMBER	How to use Turbo C++IDE
OCTOBER	How to use basic elements of C
NOVEMBER	How to use input and output statements in programming
JANUARY	How to use decision making statements.

FEBRUARY	How to use Loops.
MARCH	How to use functions and file handling.

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PUNJAB

2016-2024

PREFACE:

Physis

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1stYear – PHYSICS

2nd Year – PYSICS

Month	Break up of the syllabus to be completed
SEPTEMBER	Ch.1 : Measurements Ch.2 : Vectors and Equilibrium
OCTOBER	Ch. 3 : Motion and force, Ch. 4: Work and energy,

NOVEMBER	Ch . 5: Circular motion Ch. 6: Fluid dynamics, Ch.7: Oscillations (Half Chapter).
DECEMBER	Ch.7. Oscillations (Continued) Mid Term Exams + Winter Vacation
JANUARY	Ch.7: Oscillations (Complete) Ch.8: Waves, Cha. 9:Physical optics
FEBRUARY	Ch.10. Optical instruments Ch.11. Heat and Thermodynamics (Continued)

MARCH	Ch.11
APRIL	Revision

Month	Break up of the syllabus to be completed
SEPTEMBER	Ch.12 : Electostatics Ch.13 : Current Electricty
OCTOBER	Ch. 14 : Electromagnetism Ch. 15: Electromagnetic Induction
NOVEMBER	Ch . 16: Alternating Current, Ch.17: Physics of Solids

DECEMBER	Ch.18. Electronics (Continued) Mid Term Exams + Winter Vacation
JANUARY	CH.18. Electronics (Complete) CH.19: DAWan of Modern Physics Ch.20: Atomic Spectra
FEBRUARY	Ch.21 : Nuclear Physics
MARCH	Revision, MSQs, Numerical Sent Up Exams
APRIL	Revision

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LESSON PLANS
INTERMEDEDATE CLASSES
VOLUME NO - 5
FOR AFFILIATED COLLEGE OF
BOARDS OF INTERMEDIATE & SECONDARY EDUCATION,
PUNJAB



GOVERNMENT OF THE PUNJAB
HIGHER EDUCATION DEPARTMENT
DIRECTOR PUBLIC INSTRUCTION (COLLEGES),
PUNJAB

2016-2024

PREFACE:

Physis - practical

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1st Year PHYSICS (Practical)

Month	Break up of the syllabus to be completed
SEPTEMBER	1. To find the volume of the cylinder using venire calipers. 2. To find the area of cross section of a wire using micrometer screw gauge.
OCTOBER	3. To find the unknown weight of a body by the method of vector addition of forces. 4. To determine the value of 'g' by free fall method using an electronic timer. 5. To verify that time period of a simple pendulum is independent of the amplitude. 6. To verify that time period of a simple pendulum is independent of its mass of the bob.
NOVEMBER	7. To verify that time period of a simple pendulum is directly proportional to the square root of its length. 8. To verify the second condition of equilibrium using suspended meter rod. 9. To find the moment of interia of a fly whell.
JANUARY	10. To determine the frequency of AC supply by Melde's apparatus. 11. To investigate the laws of vibration of stretched strings by sonometer. 12. To determine the wavelength of sound in air using stationary waves and the calculate the speed of sound by applying end correction.

JANUARY	13. To determine the wavelength of sound in air using stationary waves and the calculate the speed of sound using two resonance positions.
FEBRUARY	14. To determine the focal length of a convex lens by displacement method. 15. To find the refractive index of a prism by critical angle method. 16. To find refractive index of a liquid using concave mirror.

2nd Year PHYSICS (Practical)

Month	Break up of the syllabus to be completed
SEPTEMBER	1. To find the resistance of wire by slide wire bridge. 2. To find the resistance of a Galvanometer by half deflection method.

OCTOBER	3. To find the resistance of a voltmeter by drawing graph between R and $1/V$. 4. To find the internal resistance of a cell using a Potentionmeter.
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NOVEMBER	5. To determine the emf of a cell using Potnionmeter. 6. Relation between current passing through a tungsten filament lamp and the optional applied accorss it.
JANUARY	7. Relation between current and capacitance when different capacitors are used in A.C. circuit. 8. Characteristics of semi counder diode and the calculation of forward and reverse current resistance.
FEBRUARY	9. Study of the variation of electric current with intensity of light using a photocell. 10. To verify the truth for logic gates.

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PREFACE :

English

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1stYear ENGLISH

Month	Break up of the syllabus to be completed
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SEPTEMBER	1-Book-1	Lesson No.1-2
	2-Book-3	1 st Play
	3-Book-3	1-3 Poems
	4-Grammar & Composition	
	(a) Moral Stories : (i)	
	Necessity is the Mother of Invention	
	(ii) Greed is Curse	
	(b) Letters: (i) To Father about	
	increasing Monthly Allowance	
	(iii) To uncle about describing the first	
	impression of college	
	(c) Applications : (i) To	
	Principal for change of Subjects	
	(ii) To Principal for condoning shortage	
	of Lectures	

October	5-Applications: i. To Principal for full fee concession ii. To Principal for remission of fine. Pair of words: C – F Punctuation 8. Correct use of verb.
NOVEMBER	1-Book-1 Lesson No.7-10 2-Book-3 2 nd Play 3-Book-3 Lesson No. 11-15 Poems 4-Moral Stories: i. Haste makes waste ii. A friend in need is a friend in deed 5-Letter: i. To friend requesting him to join you on a Visit to a hill station.

September	5-Pair of words: A-B 6-Punctuation
OCTOBER	1-Book-3 Lesson No. 3 - 6 2-Book-3 4-9 Poems 3-Grammar & Composition (a) Moral Stores : (i) Pride hath a Fall (ii) Do Good have Good 4-LETTER: (i) To Father requesting him to permit you to go on an educational tour (ii) To Uncle thanking him for a gift. (iii) To younger brother advising him on the choice of Profession.

	(ii) To friend inviting him to attend the marriage ceremony of his elder brother 6-APPLICATIONS: i. To Principal giving an explanation for your misbehavior and offering and satisfactory apology. ii. To Principal for re-admission PAIR OF WORDS: G – K CORRECT USE OF VERB
DECEMBER	1-Book-1 Lesson No. 11 Mid Term Exams + Winter Vacation
JANUARY	1-Book-1 Lesson No.12 2.Book-3 13-14 Poems

English

	3-Morals Stories: i. Might is Right ii. Union is strength 4.LETTERS: i. To friend asking him to lend his camera ii. To younger brother advising him on the choice of profession. Application : i. To Principal for testimonials (Character Certificate) ii. To principal on account of illness Pair of Words: L – N 7-PUNCTUATION 8.Correct Use of Verb
FEBRURARY	1-Book-1 Lesson No. 13

	2.Book-3 3 rd Play 3-Book -3 15 – 16 Poems 4-GRAMMAR & COMPOSITION (a)LETTERS : i. To Friend on his brilliant success in the Examination ii. To Father about progress in studies (b) MORAL STORIES: i. slow and steady wins the race ii. All that Glitter is not Gold 5.PAIR OF WORDS : P - S 6-PUNCTUTATION 7-CORRECT OF VERBS
MARCH	1-Book-1 Lesson # 14 -15 2-Book-3 (Play & Poems) 17-20 Poems

2nd Year English

3-GRAMMAR & COMPOSITION (a) Letters: i. To Younger brother advising him to avoid the company of bad boys. ii. To Your younger brother suggesting him some methods of improving English.
(c). Moral Stories : I. Try Again II. Honesty is the Best Policy 4.PAIR OF WORDS : T-Z 5.PUNCTUATION 6.CORRECT OF VERB Completion of Syllabi, Sent up Exams

Month	Break up of the syllabus to be completed
SEPTEMBER	Book II Part-I Lesson No.1 Book-II Part-II Lesson No.1 Book-IV Lesson No.1-2 ESSAYS: I. My First Day at College ii. Pleasures of College Life IDIOMS: A, B Phrasal Verbs: Act, Bear, Beat Correction of Sentences Preposition
	9. Translation
OCTOBER	BOOK II Part-I Lesson No.2-5 BOOK-II Part-II Lesson No.2 BOOK-IV Novel Lesson No. 3 – 6 ESSAYS: I. My Hero in History ii. My Hobby iii. My Aim in Life iv.

	Village Life IDIOMS: C – G PHRASAL VERBS : Blow, Break, Bring CORRECTION OF SENTENCES PREPOSITION TRANSLATION
NOVEMBER	1.BOOK II Part-I Lesson No.6-7 2.BOOK-II Part-II Lesson No.3 3.BOOK-IV Novel Lesson No. 7 – 9 4.ESSAYS: I. Life in a Big City ii. Cricket Match iii. An Ideal Student 5.IDIOMS: C – G 6.PHRASAL VERBS : Blow, Break, Bring 7.CORRECTION OF SENTENCES 8.PREPOSITION 9.TRANSLATION
DECEMBER	BOOK II Part-I Lesson No.8
	Mid Term Exams + Winter Vacation
JANUARY	1.BOOK-IV Novel Chapter No.10 – 12 2.BOOK-IV Novel 3.ESSAYS : i. Visit to a Hill Station/ Picnic Party/ Visit to A Historical Place 4.IDIOMS: L – P 5.PHRASAL VERBS: Get, Go, Keep, Live. 6.CORRECTION OF SENTENCES 7.PREPOSITION 8.TRANSLATION
FEBRUARY	1.BOOK-II Lesson No.9 2.BOOK-II Part-II Lesson No.4

	3.BOOK-IV Lesson No.13 – 15 4.ESSAYS : i. Why I love Pakistan Iii. Blessings of Science iii. Road Accident
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	4.IDIOMS: Q – S 5.PHRASAL VERBS: Look, Pass, Put, Run. 6.CORRECTION OF SENTENCES 7.PREPOSITION 8.TRANSLATION
MARCH	1.BOOK-II Part-I Lesson No.10 2.BOOK-II Part-II Lesson No.5 3.BOOK-IV Novel Lesson No.16 – 18 4.ESSAYS : i. Mobile Phone ii. Place of Women in Society iii. My Favorite Book 4.IDIOMS: T , Z 5.PHRASAL VERBS: Set, Take, Turn 6.CORRECTION OF SENTENCES 7.PREPOSITION

	8.TRANSLATION Completion of Syllabi, Sent up Exams
APRIL	Revision through Tests

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2016-2024

PREFACE :

PHILOSOPHY

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1st YEAR – PHILOSOPHY

Month	Break up of the syllabus to be completed
SEPTEMBER	فلسفہ کی تعریف
OCTOBER	فلسفہ اور سائنس

NOVEMBER	فلسفہ اور مذہب
DECEMBER	Mid-Term Exams + Winter Vacation نظریات علم
JANUARY	مابعد الطبیعیات
FEBRUARY	اخلاقیات
MARCH	حکمت - مفہوم اور دائرہ کار Sent up Exams
APRIL	Revision through Tests

2nd Year - philosophy

Month	Break up of the syllabus to be completed
SEPTEMBER	منطق کی تعریف اور دائرہ کار
OCTOBER	زبان
NOVEMBER	مغالطے
DECEMBER	Mid-Term Exams + Winter Vacation قیاس

JANUARY	استنتاج
FEBRUARY	م فروضہ - تمثیل
MARCH	Sent up علامتی منظور Exams
APRIL	Revision through Tests

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PREFACE:

Psychology- Practical

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1st Year PSYCHOLOGY (Practical)

2nd Year PSYCHOLOGY (Practical)

Month	Break up of the syllabus to be completed
SEPTEMBER	1. Tabulation of data
OCTOBER	Graphic presentation of data. Histogram
NOVEMBER	Graphic presentation of data. Frequency polygon and curve.
JANUARY	6. Measurement of central tendency of grouped and ungrouped data.
FEBRUARY	7.Arithmetic mean and madian
MARCH	8.Mode.

Month	Break up of the syllabus to be completed
SEPTEMBER	1. Construction of questionnaire for measurement of attitude or opinion and starting of data collection.
OCTOBER	2. Blind spot and Muller lyre illusion.
NOVEMBER	3. Effect of suggestion on perception and after image.
JANUARY	4. Retroactive Inhibition and TAT.

FEBRUARY	5. Problem solving and measurement of memory.
MARCH	6. Data analysis and Report writing.

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PREFACE

civics

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1st Year CIVICS

Month	Break up of the syllabus to be completed
SEPTEMBER	Chapter 1-Pakistan Movement 1/2
OCTOBER	Chapter 1 Pakistan Movement
NOVEMBER	Chapter 2 Constitution Development 1947-1973
DECEMBER	Chapter 2 Constitutional Development 1947-1973 Mid Term Exams + Winter Vacation
JANUARY	Chapter 3 Social Service in Pakistan
FEBRURARY	Chapter 4-5 Social Order in Pakistan National Integration and cohesion
MARCH	Chapter 6 Pakistan and World Sent up Exams
APRIL	Revision

2ndYear CIVICS

Month	Break up of the syllabus to be completed
SEPTEMBER	Chapter 1-Pakistan Movement 1/2
OCTOBER	Chapter 1 Pakistan Movement
NOVEMBER	Chapter 2 Constitution Development 1947-1973
DECEMBER	Chapter 2 Constitutional Development 1947-1973 Mid Term Exams + Winter Vacation
JANUARY	Chapter 3 Social Service in Pakistan
FEBRURARY	Chapter 4-5 Social Order in Pakistan National Integration and cohesion
MARCH	Chapter 6 Pakistan and World Sent up Exams
APRIL	Revision

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Education

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1ST YEAR-EDUCATION

Month	Break up of the syllabus to be completed
SEPTEMBER	تعلیم 1 باب نمبر

OCTOBER	مقاصد تعلیم - تعلیم کی بنیادیں 2، 3 باب نمبر
NOVEMBER	انسانی نشوونما - تعلیم 4، 5 باب نمبر
DECEMBER	Midterm Exams + Winter Vacation
JANUARY	معاشرہ - کمیونٹی اور تعلیم 6 باب نمبر
FEBRURARY	راہنمائی اور مشاورت 7 باب نمبر
MARCH	Sent up Exams 8 سبق نمبر نصاب - سلیبس اور درسی کتب
APRIL	Revision Through Tests

2nd YEAR-EDUCATION

Month	Break up of the syllabus to be completed
SEPTEMBER	برصغیر میں مسلمان کا نظام تعلیم 1 باب نمبر
OCTOBER	جنوبی ایشیا میں برطانوی نظام 2، 3 باب نمبر تعلیم
NOVEMBER	پاکستان کے تعلیم مسائل 4 باب نمبر
DECEMBER	Mid-Term Exams + Winter Vacation
JANUARY	تعلیم کے فروغ کے لئے مختلف 5 باب نمبر تنظیموں کا کردار

FEBRURARY	پاکستان کی تعلیمی پالیسیاں اور 7 باب نمبر منصوبے
MARCH	Revision + Sent up Exams
APRIL	Revision Through Tests

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Mathematics

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1st Year – MATHEMATICS

2nd Year – MATHEMATICS

Month	Break up of the syllabus to be completed
SEPTEMBER	Chapter 4, Exercise 4.1 to 4.6

Month	Break up of the syllabus to be completed
SEPTEMBER	Chapter 4
OCTOBER	Chapter 5 and 7
NOVEMBER	Chapter 1 & Exercise 2.1 to 2.4
DECEMBER	Chapter 2.5 Mid Term Exams + Winter Vacation

OCTOBER	Remaining Part of Ch.4 + Chapter 5,6
NOVEMBER	Chapter 3 and 7
DECEMBER	Chapter 9 Mid Term Exams + Winter Vacation
JANUARY	Chapter 10,11 and 12
FEBRUARY	Chapter13 and 14
MARCH	Chapter 1 and 2 Sent up Exams
APRIL	Chapter 8

JANUARY	Remaining part of Chapter 2 + Chapter
FEBRUARY	Chapter 6
MARCH	Sent up Exams
APRIL	Revision

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PREFACE

Principles of commerce

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1st YEAR – PRINCIPLE OF COMMERCE

Month	Break up of the syllabus to be completed
SEPTEMBER	کامرس کی تعریف، تعارف، اہمیت، وسعت مضمون، کامرس کی شاخیں، کاروبار شروع کرنے کے مراحل، اچھے کاروباری آدمی کی خصوصیات، واحد ملکیتی کاروبار کی تعریف، فوائد، نقصانات

OCTOBER	شرکتی کاروبار کی تعریف، خصوصیات، فوائد نقصانات، شرکا کی اقسام، منسوخی شراکت، مشترکہ سرمایہ کی کمپنی کی تعریف، خصوصیات، اقسام، تشکیل، انتظام، حصہ داران
NOVEMBER	انجمن امداد بابمی، خصوصیات، اقسام، مشارکہ مضار بہ، دفتری انتظام، حصہ داران
DECEMBER	مٹل بندی، دفتری Mid-Term Exams + Winter Vacation مشینیں
JANUARY	تجارت، اقسام، اندرونی تجارت، بیرونی تجارت، تھوک فروشی، خوردہ فروشی، درآمدی تجارت، برآمدی تجارت، سلیز مین شپ اور تشیبیر
FEBRUARY	کاروباری مراسلت، اچھے کاروباری خط کی خصوصیات، خطوط کی مختلف اقسام، دریافتی خط، فرمائشی خط، بلوں کی وصولی کے خط -
MARCH	معاونین کامرس بیمہ اور اس کی اقسام، ذرائع آمدورفت اور اقسام گودام اور اقسام، کاروباری فنانس اور اقسام
APRIL	Revision through Tests

2nd YEAR – PRINCIPLE OF COMMERCE

Month	Break up of the syllabus to be completed
SEPTEMBER	بنک کا آغاز و ارتقاء، مرکزی بنک، مختصر سوالات کی تیاری۔
OCTOBER	تجارتی بنک، بنک کے حسابات، معروضی سوالات کی تیاری/ٹیسٹ۔
NOVEMBER	مختصر 1 بنک کے حساب دار، آلات اعتبار سوالات کی تیاری و ٹیسٹ
DECEMBER	آلات Mid-Term Exams + Winter Vacation اعتبار، مختصر سوالات کی تیاری و ٹیسٹ
JANUARY	بنک کے فنڈ کا استعمال، پاکستان کا نظام بنکاری، مختصر سوالات کی تیاری

FEBRUARY	قومی مالیاتی ادارے، بین الاقوامی مالیاتی ادارے، مختصر سوالات کی تیاری، ماہانہ ٹیسٹ
MARCH	بلا سود بنکاری، مرکزی بنک (دوہرائی) تجارتی بنک (دوہرائی)، ماہانہ ٹیسٹ Sent Up Exams
APRIL	Revision through Tests

NOTE:

Fortnightly & Monthly Test will be conducted for each class as per syllabus plan topics covered in the relevant month.
Daily attendance of students must be entered by relevant Teacher.
Monthly and accumulated attendance percentage for each student will be calculated on register and Principals will check and sign students' attendance Register Weekly.
The duration of period will be 50 minutes

Midterm and send- up examination in the month of December and March

LESSON PLANS
INTERMEDEDATE CLASSES
VOLUMENO5OR AFFILIATED COLLEGE OF
BOARDS OF INTERMEDIATE & SECONDARY EDUCATION,



GOVERNMENT OF THE PUNJAB
HIGHER EDUCATION DEPARTMENT
DIRECTOR PUBLIC INSTRUCTION (COLLEGES),
PUNJAB

2016-2024

PREFACE

Urdu

With the personal interest of the Secretary Higher Education, to inculcate a true academic culture in the public sector colleges, an Academic calendar and Lesson Plans have been designed for the academic year 2016-2024. The subject-wise description of syllabi of theory and practicals on monthly basis is detailed out for guidance of both the teacher and taught.

Since the syllabus for Intermediate classes is same throughout the Province, , **Volume-5 contains lesson plans for the Intermediate classes exclusively.** For the Graduate classes of 2-year durations, the lesson plans are issued in four volumes: Volume I to Volume 5 up to graduate classes of Punjab University, Islamia University, Bahauddin Zakariya |University and University of Gujrat respectively

1st YEAR – URDU

Month	Break up of the syllabus to be completed
SEPTEMBER	درخواست نویسی، نثر نویسی سبق، تشبیہ 2، رسید نگاری، نثر سبق نمبر 1 نمبر، استعارہ، مطلع، مقطع، 2 تلمیح، نظمیں اتا، ردیف، قافیہ، غزلیات 1 شاعر نمبر
OCTOBER	مکالمہ 3 جملوں کی درستی، نثر سبق نمبر، روداد نویسی، 4 نگاری، نثر سبق نمبر 3 نظمیں 2، روزنامہ، غزلیات شاعر نمبر 4 تا
NOVEMBER	غزلیات 5، 6 تلخیص نگاری، نثر سبق نمبر 3۔ شاعر نمبر
DECEMBER	Mid-Term Exams + Winter Vacation 8-7۔ نثر سبق نمبر
JANUARY	4، 5۔ غزلیات شاعر نمبر 7، 8، 9 نظمیں
FEBRUARY	12 تا 14، سبق نمبر 9 تا 11 نثر سبق نمبر 10۔ تا 13 نظمیں
MARCH	6، 7 غزلیات شاعر نمبر Sent Up Exams
APRIL	Revision

2nd YEAR – URDU

Month	Break up of the syllabus to be completed
SEPTEMBER	نثر سبق نمبر، غزلیات 1 نثر نویسی سبق نمبر، رموز اوقاف و فقرات کی 1 شاعر نمبر درستی
OCTOBER	4 تا 3، نظمیں 4، نثر سبق نمبر 3 نثر سبق نمبر، امدادی افعال کا 2 غزلیات شاعر نمبر استعمال، خطوط نویسی، آپ بیتی
NOVEMBER	3، غزلیات شاعر نمبر 5، 6 نظمیں 5 نثر سبق نمبر مضمون نویسی
DECEMBER	8-7 نظمیں Mid-Term Exams + Winter 4 غزلیات شاعر نمبر
JANUARY	9۔ نظم نمبر 7 تا 11 نثر سبق
FEBRUARY	غزلیات 10، نظم نمبر 12 تا 14 نثر سبق نمبر 5، 6۔ شاعر نمبر
MARCH	Sent Up 7 غزلیات شاعر نمبر Exams
APRIL	Revision

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LESSON PLANS
INTERMEDEDATE CLASSES
VOLUME NO - 5
FOR AFFILIATED COLLEGE OF
BOARDS OF INTERMEDIATE & SECONDARY EDUCATION,
PUNJAB



GOVERNMENT OF THE PUNJAB
HIGHER EDUCATION DEPARTMENT
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2016-2024

PREFACE

Economics

With the personal interest of the Secretary Higher Education, to inculcate a true academic culture in the public sector colleges, an Academic calendar and Lesson Plans have been designed for the academic year 2016-2024. The subject-wise description of syllabi of theory and practical's on monthly basis is detailed out for guidance of both the teacher and taught.

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1stYear ECONOMICS

2ndYear ECONOMICS

Month	Break up of the syllabus to be completed
SEPTEMBER	Definition, Types, scope and Importance of Eco. Theory Consumer behaviors (Cardinal approach)

OCTOBER	Consumer behavior (Ordinal approach) Mathematical Economics Statistical Economic Demand and its elasticity
NOVEMBER	Shifting of demand Curve, Supply and elasticity of supply . Shifting of Supply Curve
DECEMBER	Revision Mid Term Exams + Winter Vacation
JANUARY	Equilibrium of demand and supply effect on Equilibrium with Mathematics Cost of production and revenue theory. Production of Wealth and factors of production
FEBRURARY	Laws of production. Firm Equilibrium under perfect competition, Imperfect competition and Monopoly
MARCH	Factor Pricing Revision Sent up Exams

APRIL	Revision + Test
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Month	Break up of the syllabus to be completed
SEPTEMBER	National income and its different concepts. Circular flow of national income measurement national income money and its functions
OCTOBER	Type of money. Quantity theory of money commercial bank and its functions central bank and Islamic banking
NOVEMBER	Public financing and tools internationals trade Industry and Agricultural Sectors, Economics development in Pakistan
DECEMBER	Revision, Mid Term Exams + Winter Vacation

JANUARY	Economics planning. Human resources and transport sources finance of Pakistan Government Foreign trade of Pakistan regional and international organization
FEBRURARY	Organization role in Pakistan export and import of Pakistan balance of payment in Pakistan
MARCH	Economics systems (capitalism socialism, modern capitalism and Islamic system) Revision Sent up Exams

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PUNJAB



GOVERNMENT OF THE PUNJAB
HIGHER EDUCATION DEPARTMENT
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2016-2024

PREFACE

Home Economics

With the personal interest of the Secretary Higher Education, to inculcate a true academic culture in the public sector colleges, an Academic calendar and Lesson Plans have been designed for the academic year 2016-2024. The subject-wise description of syllabi of theory and practical on monthly basis is detailed out for guidance of both the teacher and taught.

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1st Year – HOME ECONOMICS

Month	Break up of the syllabus to be completed
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MARCH	ڈیزائن اور ڈیزائن اور اسکے عناصر - دہرائی
APRIL	Revision

SEPTEMBER	بچوں کی نشوونما اور خاندان کے ساتھ تعلقات ، بچوں کی نشوونما ، نشوونما کی تعریف، بچوں کی نشوونما پر اثر انداز ہونے والے عوامل- نشوونما کے پہلو - نشوونما کے مدارج- بنیادی انسانی ضروریات- ابراہیم ماسلو کا نظریہ حیات
OCTOBER	3 ذات کا تصور اور شخصیت کی نشوونما اور خاندان اور افراد خانہ کے باہمی تعلقات بچوں کو سمجھنا اور ان کی رہنمائی کرنا۔
NOVEMBER	انتظام خانہ داری کا تعارف ومقاصد - وسائل و ذرائع کی اقسام
DECEMBER	Mid Term Exams + Winter Vacation
JANUARY	تھکن اور اس کے اثرات - تخمینہ آمدنی و خرچ - صحت کی حفاظت
FEBRUARY	گھر میں فوری طبی امداد - گھر میں آرٹ کے اصولوں کا استعمال

2nd Year : HOME ECONOMICS

Month	Break up of the syllabus to be completed
September	غذا کی اہمیت، متوازن غذا
October	متوازن غذا اور غذائی گروہ- غذائی ضروریات - لحمیات - سلائی کے ابتدائی مراحل
November	کاربوہائیڈریٹ ، روغنیات یا چکنائی اور سلائی و کٹائی کے لئے مناسب سازو سامان کا انتخاب
December	Revision, Mid Term Term Exams, Winter Vacation

January	حیاتیات ، چکنائی میں حل پذیر حیاتیات، پانی میں حل پذیر حیاتیات اور معدنی نمکیات ، اچھی فٹنگ کے لئے مناسب ٹاپ کی اہمیت ، ریشوں کے مطالعے کی اہمیت
February	فہرست طعام کی ترتیب ، اشیاء خوردنی کے خریداری ، کھانا پکانے کے اصول وطریقے ، پارچہ ہانی کے بنیادی طریقے ، ریشہ سے سو ت تک اور دھاگے سے کپڑے تک ، کپڑے کے تکمیل
March	کھانا پیش کرنے کے طریقے- کپڑوں کی منصوبہ بندی، ذاتی ذیائش اور دہرائی
April	Revision through tests

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