

DR. B.R. AMBEDKAR GOVT. COLLEGE, DABWALI (SIRSA)

Lesson plan for the session 2025-26(Even Semester) under outcome based education framework

Name of the Teacher: Dr. Surender Pal

Class & Semester: B.A. I DSC (Sem. 1st)

Subject: **Geography**

BA/BSC/MD/GEO/1/DSC/101: **Physical Geography**

Clear learning objectives: **To enable the student to become familiar with Physical Geography.**

The students would be developed their ability on given course

Teaching strategies: **Group work and discussion**

Assessment Methods: **Conducted class test and assignments**

Sr. No.	Name of the Month	Topics	
		Theory	Practical
1.	July 2025	- Interior of the earth, - Geological time scale - Rocks and their types	Identification and collection of rock samples: granite, basalt, laterite, limestone, shale, sandstone
2.	August 2025	- Continental drift - Plate tectonic - Earthquakes and volcanoes	- Slate & quartzite - Extraction of physiographic information from Survey of India 1:50000 topographical maps of mountain, plateau and plain region.
3.	Sept, 2025	- Weather and climate - Atmosphere: Composition & structure - Insolation, heat budget & distribution of temperature	- Topographical maps of plain regions. - Measurement of weather elements using analogue instruments: a) Line graph
4.	Oct. 2025	Degradational processes: a) Weathering b) Work of river c) Work of wind.	d) Bar graph e) Polygraph
5.	Nov. 2025	Oceanic salinity, temperature & current of the Pacific, Atlantic and Indian Ocean.	Interpretation of a daily weather map of India



Dr. Surender Pal
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GC, Dabwali

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Lesson plan for the session 2025-26 (Odd Semester) under outcome based education framework

Name of the Teacher : Dr. **Surender Pal**

Class & Semester: **B.A. I Minor (Sem. 1st)**

Subject : Geography

BSC/BA/GEO/MD/1/MIC/101: General Geography of Haryana

Clear learning objectives: To help the students in understanding the geographical structure and resources.

To Understand the agriculture, industrial status, population distribution and literacy of the state

Teaching strategies: **Group work and group discussion**

Assessment Methods: **Conducted class test and assignments**

Sr. No.	Name of the Month	Topic
1.	July 2025	• Haryana: Physiography, relief and climate
2.	August 2025	• Drainage, • soils and • natural vegetation. • Agriculture: cropping pattern and challenges.
3.	Sept, 2025	• Major industries and industrial centers of Haryana. • Population- a. Distribution, b. Density and c. Growth.
4.	Oct. 2025	• Pattern of trade and transport.
5.	Nov. 2025	• Cultural regions of Haryana.



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Name of the Teacher : Dr. **Surender Pal**

Class & Semester : **B.A. I SEC (Sem. 1st)**

Subject : Geography

BSC/BCOM/BA/GEO/MD/1/SEC/101: Maps and Scales (Practical)

Clear learning objectives: To impart basic knowledge of the maps and scales for geography

To gained knowledge about cartographic skills.

Teaching strategies: **Group work and group discussion**

Assessment Methods: **Conducted class test and assignments**

Sr. No.	Name of the Month	Topics
1.	July 2025	• Introduction to Cartography. • Maps and their types.
2.	August 2025	• Map Scales. • Methods of Expressing a scale 2 exercise • Conversion of Statement of Scale into R.F. and vice-versa. 1 exercise
3.	Sept, 2025	• Plain Scale (km and mile) 1 exercise • (Comparative Scale 2 exercise
4.	Oct. 2025	• Diagonal Scale 2 exercise • Measurement of Distances and Areas on Maps 2 exercise
5.	Nov. 2025	• Enlargement and Reduction of Maps 2 exercise



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Name of the Teacher : Dr. Surender Pal

Class & Semester : B.A. II DSC (Sem. 3rd)

Subject : **Geography**

BA/BSC/MD/GEO/3/DSC/201: Geography of India

Clear learning objectives: To give the basic knowledge of the India location, relief structure, climate, vegetation, population, industries etc.

Teaching strategies: **Group work and group discussion**

Assessment Methods: **Conducted class test and assignments**

Sr. No.	Name of the Month	Topics	
		Theory	Practical
1.	July 2025	- India : Physical divisions, drainage system. - Climate, soils and natural vegetation.	- Land use pattern of India (Pie chart) (1 Exercises) - Occupational structure of India (Pie chart) (1 Exercises)
2.	August 2025	Agricultural crops: major crops and crop pattern	- Distribution of population (Dot method) (1 Exercises) - Density of population (Choropleth) (1 Exercises)
3.	Sept, 2025	- Green revolution and its impacts - Population: distribution, density and growth	Identification of the major industrial region of India by cartogram. (1 Exercises)
4.	Oct. 2025	Resources: Production and distribution of iron ore, coal, petroleum	Rainfall deviation diagram of at least 20 years. (1 Exercises)
5.	Nov. 2025	- Industries: iron and steel - Sugar and cotton textile	Production of various crops (Bar Graph)

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Name of the Teacher: Dr. Surender Pal

Class & Semester: B.A. II Minor (Sem. 3rd)

Subject: **Geography**

BSC/BA/GEO/MD/3/MIC/201: **Resource Geography of India**

Clear learning objectives: **To familiarize the students with natural resources and their management.**

Teaching strategies: **Group work and group discussion**

Assessment Methods: **Conduct class test and assignments**

Sr. No.	Name of the Month	Topics	
		Theory	Practical
1.	July 2025	• Agriculture: Environmental, technological and institutional factors affecting Indian Agriculture • Dry land agriculture.	• Distribution of net sown area in India. (1 exercises)
2.	August 2025	• Distribution and production major crops: • Rice, • Wheat, • Cotton • Tea.	• Shows the irrigated area in India using choropleth method. (1 exercise)
3.	Sept, 2025	• Water resources: means of irrigation and its problems. • Major water projects and its applications a. Bhakhra Nangal b. Damodar Valley	• Trend of food grains production (rice, wheat, maize) and pulses production (gram and Tur or arhar) in India by line and polygraph. (2 exercises)
4.	Oct. 2025	• Minerals and energy resources: production, distribution and trade of a. Iron ore, b. Coal and c. Petroleum.	• Time series analysis of the trend of coal/crude oil/natural gas production in India since 1950-51 using 5/10-year with suitable method. (3 exercises)
5.	Nov. 2025	• Problems of mining industry and conservation of minerals.	• Distribution of energy and minerals resources using suitable method. (1exercise)



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Name of the Teacher: **Dr. Surender Pal**

Class & Semester: **B.A. II SEC (Sem. 3rd)**

Subject: Geography

BSC/BCOM/BA/GEO/MD/3/SEC/201: Representation of Climatic Data (Practical)

Clear learning objectives: To impart basic knowledge of the practical measurements and graphs

Teaching strategies: **Group work and group discussion**

Assessment Methods: **Conducted class test and assignments**

Sr. No.	Name of the Month	Topics
1.	July 2025	Elements of Climate : Representation of temperature and rainfall. • Line and Bar Graph (1 exercise)
2.	August 2025	• Distribution of temperature (1 exercise) • Distribution of rainfall (1 Exercise) • Hythergraph (2 exercise)
3.	Sept, 2025	• Rainfall deviation diagram (2 exercise) • Climograph (wet and dry places) (2 exercise)
4.	Oct. 2025	• Distribution of Air pressure (2 Exercise) • Weather map Interpretation (January & July) (2 exercise)
5.	Nov. 2025	• Interpolation of Isotherm and Isobars (2 exercise)



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Lesson plan for the session 2025-26

Name of the Assistant Prof. : **Dr. Surender Pal**

Class : **B.A. III**

Subject : **Geography**

Nomenclature of the Theory Paper : **Economic Geography**

Semester : 5th

Nomenclature of the Practical Paper : **Distribution maps and diagrams**

Sr. No.	Name of the Month	Topics	
		Theory	Practical
1.	July 2025	Nature and meaning of economic geography.	Meaning of map and purpose of cartography
2.	August 2025	- Scope of economic geography. - Relation of economic geography with economics & other social sciences. Economic activities : meaning and types. A) Primary activities : Gathering. Secondary Economic activities. Tertiary Economic activities. Quaternary Economic activities.	- Techniques of map making Materials of map making - Definition of symbolization and classification of symbols
3.	Sept. 2025	Meaning and definition of natural resources. Types, Classification and conservation of natural resources. Water resources. Mineral resources Meaning of agriculture resources. - Food crops- Rice Wheat - Commercial crops- Cotton Sugarcane A. Plantation crops- Tea Mineral resources – Iron ore Coal Petroleum Manufacturing industries.	- Point symbols - Line symbols - Area symbols - Types & methods of distribution maps - Qualitative distribution maps

		• Iron and steel industry.	
4.	October 2025	Manufacturing industries. Textile industry. Major industrial complex of the world. Transport meaning and modes Surface transport : Roads Railways Meaning of international trade Basis of international trade Important aspects of international trade Types and Recent trends of international trade	• Chorachromatic method • Isopleth method • Choropleth method of map making • Dot Method of map making • Diagrammatic of map making
5.	Nov. 2025	Advantages & Disadvantages of international trade Meaning of international trade Basis of international trade Important aspects of international trade	• Definition & importance of survey Conventional signs Types of surveying • Prismatic compass survey 1. Radiation method surveying 2. Intersection method surveying



Dr. Surender Pal
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 GC, Dabwali

सत्र 2025-26 (प्रथम छमाही)

विषय: हिंदी गद्य साहित्य

कक्षा: बी.ए. तृतीय वर्ष

पाठ्यक्रम कोड: BA/MD/HIN/3/DSC/201

Dr. Shanno Devi

माह / सप्ताह

विषय-वस्तु (खंड अनुसार)

अगस्त - सप्ताह 1 हिंदी गद्य साहित्य का उद्भव एवं विकास का संक्षिप्त परिचय

अगस्त - सप्ताह 2 हिंदी कहानी - अर्थ, परिभाषा और स्वरूप

अगस्त - सप्ताह 3 हिंदी उपन्यास - अर्थ, परिभाषा और स्वरूप

अगस्त - सप्ताह 4 कहानी और उपन्यास का तुलनात्मक अध्ययन + अभ्यास

| सितंबर - सप्ताह 1 | हिंदी नाटक - अर्थ और परिभाषा |

| सितंबर - सप्ताह 2 | हिंदी नाटक का स्वरूप एवं प्रमुख प्रवृत्तियाँ |

| सितंबर - सप्ताह 3 | हिंदी निबंध - अर्थ, परिभाषा |

| सितंबर - सप्ताह 4 | हिंदी निबंध का स्वरूप एवं प्रकार + पुनरावृत्ति |

| अक्टूबर - सप्ताह 1 | हिंदी रेखाचित्र - अर्थ, परिभाषा और स्वरूप |

| अक्टूबर - सप्ताह 2 | हिंदी संस्मरण - अर्थ, परिभाषा और स्वरूप |

| अक्टूबर - सप्ताह 3 | रेखाचित्र और संस्मरण की तुलनात्मक विशेषताएँ |

| अक्टूबर - सप्ताह 4 | अभ्यास प्रश्न एवं पुनरावृत्ति (खंड-ग) |

| नवंबर - सप्ताह 1 | हिंदी यात्रावृत्तांत - उद्भव एवं विकास |

| नवंबर - सप्ताह 2 | हिंदी रिपोर्टाज - उद्भव एवं विकास |

| नवंबर - सप्ताह 3 | यात्रावृत्तांत और रिपोर्टाज का तुलनात्मक अध्ययन |

| नवंबर - सप्ताह 4 | समग्र पुनरावृत्ति + आंतरिक मूल्यांकन / सत्रीय परीक्षा |

विशेष निर्देश: पुनरावृत्ति व कक्षा-परीक्षण

Lesson Plan

Dr. B.R. Ambedkar Govt. College, Dabwali

Name of the Assistant Professor:-Dr.Shanno Devi

Class and Section:-BA 5th Semester Session-2025-26

Subject:- Hindi

Week	Topics
July 2023	अज्ञेय का साहित्यिक परिचय, कविताओं की व्याख्या
August 2023	अज्ञेय की कविताओं की व्याख्या, प्रश्नोत्तर, धर्मवीर भारती का साहित्यिक परिचय, कविताओं की व्याख्या, प्रश्नोत्तर, नरेश मेहता साहित्यिक परिचय, कविताओं की व्याख्या, नागार्जुन साहित्यिक परिचय, कविताओं की व्याख्या, प्रश्नोत्तर,
September 2023	रघुवीर सहाय साहित्यिक परिचय कविताओं की व्याख्या, प्रश्नोत्तर कुंवर नारायण व लीलाधर जगुडी का साहित्यिक परिचय, कविताओं की व्याख्या, प्रश्नोत्तर। Class test & assignment
October 2023	आधुनिक हिंदी साहित्य (कविता) आधुनिक हिंदी कविता का क्रमिक विकास, आधुनिक काल की परिस्थितियाँ, भारतेंदु युग, दिवेदी युग, छायावाद, प्रगतिवाद, प्रयोगवाद, नयी कविता, समकालीन कविता
November 2023	पत्र लेखन, संक्षेपण, पल्लवन
	6 th semester
JAN 2024	बालमुकुंद गुप्त साहित्यिक परिचय, आशा का अंत निबंध, निबंध की व्याख्या, प्रश्नोत्तर आचार्य रामचंद्र शुक्ल साहित्यिक परिचय, उत्साह निबंध, व्याख्या, प्रश्नोत्तर, महादेवी वर्मा साहित्यिक परिचय, गिल्लू निबंध, निबंध की व्याख्या प्रश्नोत्तर
FEB 2024	आचार्य हजारी प्रसाद द्विवेदी साहित्यिक परिचय, देवदारु, निबंध, निबंध की व्याख्या, प्रश्नोत्तर, श्रीविद्यानिवास मिश्र का साहित्यिक परिचय निबंध, निबंध की व्याख्या, प्रश्नोत्तर, हरिशंकर परसाई का साहित्यिक परिचय, निबंध सदाचार का ताबीज की व्याख्या, प्रश्नोत्तर, राहुल सांकृत्यायन का साहित्यिक परिचय, निबंध, निबंध की व्याख्या, प्रश्नोत्तर।
MARCH 2024	हरियाणवी भाषा उद्भव और विकास, हरियाणवी भाषा की प्रमुख बोलियाँ, हरियाणा की सांग परम्परा, हरियाणवी कविता, उपन्यास, कहानी नाट्य साहित्य
APRIL 2024	पत्रकारिता स्वरूप व प्रकार, शीर्षक रचना, संपादक के गुण और दायित्व, फीचर लेखन, स्वतंत्र प्रेस की अवधारणा

पाठ योजना – सत्र 2025-26 (प्रथम छमाही)

DSC
1st 8pm

बीए/एमडी/एचआईएन/1/डीएससी/101

विषय: हिंदी साहित्य का इतिहास (पृष्ठभूमि एवं आदिकाल)

Prof. Dr. Shanno Devi

अगस्त – सप्ताह 1 साहित्येतिहास से अभिप्राय – भाषा एवं स्वरूप

अगस्त – सप्ताह 2 साहित्येतिहास की विशेषताएँ एवं उद्देश्य

अगस्त – सप्ताह 3 साहित्येतिहास दर्शन – दृष्टिकोण

अगस्त – सप्ताह 4 हिंदी साहित्येतिहास की पूर्वपीठिका – संस्कृत, प्राकृत, अपभ्रंश परम्परा

| सितंबर – सप्ताह 1 | हिंदी साहित्य इतिहास लेखन परम्परा – प्रारंभिक दौर |

| सितंबर – सप्ताह 2 | आचार्य रामचंद्र शुक्ल और अन्य इतिहासकारों का योगदान |

| सितंबर – सप्ताह 3 | हिंदी साहित्य का काल विभाजन – आधार व नामकरण |

| सितंबर – सप्ताह 4 | हिंदी साहित्य लेखन की पद्धतियाँ – कालक्रम, प्रवृत्ति, मिश्र पद्धति | पुनरावृत्ति एवं आंतरिक मूल्यांकन दत्तकार्य-1

| अक्टूबर – सप्ताह 1 | आदिकाल का नामकरण (वीरगाथा काल) |

| अक्टूबर – सप्ताह 2 | आदिकाल की परिस्थितियाँ – राजनीतिक, सामाजिक, धार्मिक |

| अक्टूबर – सप्ताह 3 | आदिकाल की प्रवृत्तियाँ – वीर रस, इतिहास-कल्पना, भाषा |

| अक्टूबर – सप्ताह 4 | आदिकालीन प्रमुख साहित्य का संक्षिप्त परिचय व अभ्यास | दत्तकार्य-2

| नवंबर – सप्ताह 1 | रासो काव्य परम्परा – परिचय एवं स्वरूप |

| नवंबर – सप्ताह 2 | रासो काव्य की प्रवृत्तियाँ – वीर रस, अतिशयोक्ति, यशगान |

| नवंबर – सप्ताह 3 | सिद्ध साहित्य – भाषा, प्रवृत्ति, प्रमुख कवि |

| नवंबर – सप्ताह 4 | नाथ साहित्य – गोरखनाथ आदि, पुनरावृत्ति एवं आंतरिक मूल्यांकन |

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- विशेष निर्देश: हर माह के अंतिम सप्ताह में चर्चा + प्रश्नोत्तर + कक्षा-परीक्षण शामिल करना चाहिए। नवंबर के अंतिम सप्ताह में आंतरिक मूल्यांकन / पुनरावृत्ति

पाठ योजना – सत्र 2025-26 (प्रथम छमाही)

विषय: प्रयोजनमूलक हिंदी एवं तकनीकी शब्दावली

कक्षा: बी.ए

पाठ्यक्रम कोड: बीए/एमडी/एमआईएन/3/एमआईसी/201

Dr. Shanno Devi

MIC - 3rd Sem

सप्ताहवार विभाजन

माह / सप्ताह

विषय-वस्तु (खंड अनुसार)

अगस्त – सप्ताह 1 प्रयोजनमूलक हिंदी – अर्थ व परिभाषा

अगस्त – सप्ताह 2 प्रयोजनमूलक हिंदी – अवधारणा एवं स्वरूप

अगस्त – सप्ताह 3 प्रयोजनमूलक हिंदी के विभिन्न रूप (पत्रकारिता, प्रशासनिक, तकनीकी, साहित्यिक)

अगस्त – सप्ताह 4 पुनरावृत्ति + अभ्यास प्रश्न

| सितंबर – सप्ताह 1 | राजभाषा संबंधी संवैधानिक प्रावधान (अनुच्छेद 343-345) |

| सितंबर – सप्ताह 2 | संवैधानिक प्रावधान (अनुच्छेद 346-348) |

| सितंबर – सप्ताह 3 | संवैधानिक प्रावधान (अनुच्छेद 349-351) |

| सितंबर – सप्ताह 4 | दृश्य एवं श्रव्य मीडिया का परिचय |

| अक्टूबर – सप्ताह 1 | पत्र लेखन – प्रकृति एवं महत्व |

| अक्टूबर – सप्ताह 2 | आवेदन पत्र एवं नियुक्ति पत्र लेखन |

| अक्टूबर – सप्ताह 3 | मांग पत्र एवं सरकारी पत्राचार |

| अक्टूबर – सप्ताह 4 | विभिन्न प्रकार के पत्रों का अभ्यास एवं प्रारूप |

| नवंबर – सप्ताह 1 | तकनीकी शब्दावली (1-10) – Aeronautics से Calibration |

| नवंबर – सप्ताह 2 | तकनीकी शब्दावली (11-20) – Caliation से Condensation |

| नवंबर – सप्ताह 3 | तकनीकी शब्दावली (21-30) – Convention से Elasticity |

| नवंबर - सप्ताह 4 | तकनीकी शब्दावली (31-40) - Lector osmories से Formula, समग्र पुनरावृत्ति एवं आंतरिक मूल्यांकन |

□ विशेष टिप्पणी:

- हर माह के अंतिम सप्ताह में पुनरावृत्ति व कक्षा-परीक्षण आवश्यक।
- तकनीकी शब्दावली को छोटे समूहों में साप्ताहिक अभ्यास कराया जाए।
- नवंबर के अंतिम सप्ताह में आंतरिक मूल्यांकन (सत्रीय परीक्षा)

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework) (Semester-Odd)

Name of the A.P./Extension Lecturer: Dr Manjeet Kumar, Associate Prof. of Mathematics

Class & Section: BSc-I Semester I

Subject: Computer Skills for Mathematicians

Sr. No.	Months	Topics
1	July 2025	Windows: Installation of Windows, Windows Desktop, My computer, My documents, Network neighbourhood, Recycle Bin, Quick launch tool bar, System tray, Start menu, Task bar System Tray Quick launch tool bar Start button Parts of Windows
2	August 2025	Keyboard Accelerators: Key board short keys or hotkeys, Working with Notepad & WordPad, Creating & Editing Images with Microsoft paint, using the Calculator, Personalising Windows. MS-Word: Working with Documents, formatting page & setting Margins, converting files to different formats, Importing & Exporting documents, Formatting Documents Setting Font styles, Font selection- style, Setting Paragraph style, Alignments, Indents, Line Space, Margins, Bullets& Numbering. Setting Page style Formatting Page, Page tab, Margins, Layout settings, Border & Shading, Columns, Header & footer, Setting Footnotes & end notes, page break, Setting Document styles.
3	September 2025	Table of Contents, Index, Page Numbering, date & Time, Creating Tables-Table settings, Borders, Alignments, Insertion, deletion, Merging, Splitting, Sorting, Drawing - Inserting Clip Arts, Pictures/Files, Tools -Spell Checks, Mail merge, Templates, Printing Documents.
4	October 2025	MS-Excel: Spread Sheet & its Applications, Opening Spreadsheet, Menus, working with Spreadsheets- opening, saving files, setting Margins, spread sheet addressing - Rows, Columns & Cells, Referring Cells & Selecting Cells - Shortcut Keys. Entering & Deleting Data, Inserting Data, Insert Cells, Column, rows & sheets, Inserting Functions, Formula - finding total in a column or row, Mathematical operations (Addition, Subtraction, Multiplication, Division, Exponentiation)
5	November 2025	Formatting Spreadsheets- Labelling columns & rows, Formatting-Cell, row, column & Sheet, Category - Alignment, Font, Border & Shading, Hiding/ Locking Cells, working with sheets - Sorting, Filtering, Creating Charts, Tools - Error checking, Spell Checks.


Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework) (Semester-Odd)

Name of the A.P./Extension Lecturer: Dr Manjeet Kumar, Associate Prof. of Mathematics

Class & Section: BSc-III Semester 5th

Subject: Numerical Analysis

Sr. No.	Months	Topics
1	July 2025	Finite Differences operators and their relations.
2	August 2025	Finding the missing terms and effect of error in a difference tabular value, Interpolation with equal intervals: Newton's forward and Newton's backward interpolation formulae. Interpolation with unequal intervals: Newton's divided difference, Lagrange's
3	September 2025	Interpolation formulae, Hermite Formula, Central Differences: Gauss forward and Gauss's backward interpolation formulae, Sterling, Bessel Formula. Probability distribution of random variables, Binomial distribution, Poisson's distribution, Normal distribution: Mean, Variance and Fitting. Numerical Differentiation: Derivative of a function using interpolation formulae as studied in Sections -I & II.
4	October 2025	Eigen Value Problems: Power method, Jacobi's method, Given's method, House- Holder's method, QR method, Lanczos method. Numerical Integration: Newton-Cote's Quadrature formula, Trapezoidal rule, Simpson's one- third and three-eighth rule, Chebychev formula, Gauss Quadrature formula.
5	November 2025	Numerical solution of ordinary differential equations: Single step methods- Picard's method. Taylor's series method, Euler's method, Runge-Kutta Methods. Multiple step methods; Predictor-corrector method, Modified Euler's method, Milne-Simpson's method.



Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 – 2026 under Outcome Based Education framework

Name of the Assistant Professor: - Dr. Pradeep Kaswan

Class & Semester: - B.A/B. Sc-I (1st Sem).

Subject: - CALCULUS (DSC)

Clear learning objectives: - Gain knowledge of the concepts and theory of limit, continuity and differentiability of functions. Attain skills of calculating the limit of functions and examining the continuity and differentiability of different types of functions, and perform successive differentiation of functions. To apply the procedural knowledge to obtain the series expansions of functions which find multidisciplinary applications. Understand concepts of asymptotes and curvature, the geometrical meaning of these terms and to have procedural knowledge to solve related problems. Determine singular points of a curve and classify them. Understand the concept of rectification of curves and derive the reduction formulae. Have theoretical knowledge and practical skills to evaluate the area bounded by the curves, and volume and surface area of solids formed by revolution of curves.

Teaching Strategies: - Solve each problem and article on the board step by step, explaining each concept thoroughly. Assign problem sets that require critical thinking and mathematical reasoning. Encourage students to ask questions and engage in discussions to clarify their doubts.

Assessment Methods: - Class test, Mid-term Exam, assignments, and attendance

Sr. No.	Months	Topics
1	July., 2025	ϵ - δ definition of limit and continuity of a real valued function, Basic properties of limits, Types of discontinuities, Differentiability of functions, Application of L' Hospital rule to indeterminate forms.
2	Aug., 2025	Successive differentiation, Leibnitz theorem, Taylor's and Maclaurin's series expansion with different forms of remainder, Asymptotes: Horizontal, vertical and oblique asymptotes for algebraic curves, Asymptotes for polar curves, Intersection of a curve and its asymptotes
3	Sept., 2025	Curvature and radius of curvature of curves (cartesian, parametric, polar & intrinsic forms), Newton's method, Centre of curvature and circle of curvature, Multiple points, Node, Cusp, Conjugate point, Tests for concavity and convexity.
4	Oct., 2025	Points of inflexion, Tracing of curves, Reduction formulae, Rectification, intrinsic equation of a curve.
5	Nov., 2025	Quadrature, Area bounded by closed curves, Volumes and surfaces of solids of revolution.



Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 – 2026 under Outcome Based Education framework

Name of the Assistant Professor: - Dr. Pradeep Kaswan

Class & Semester: - B. Com. – I (1st Sem).

Subject: - Business Mathematics (SEC)

Clear learning objectives: - The objective of this course is to familiarize students with the applications of mathematics in business decision-making. It will also provide basic knowledge and skills of numerical abilities and aptitudes for cracking competitive examinations.

Teaching Strategies: - Solve each problem and article on the board step by step, explaining each concept thoroughly. Assign problem sets that require critical thinking and mathematical reasoning. Encourage students to ask questions and engage in discussions to clarify their doubts.

Assessment Methods: - Class test, assignments, and attendance

Sr. No.	Months	Topics
1	July., 2025	Natural numbers, Prime numbers, Real numbers, Even numbers, Odd numbers, Rational numbers, Irrational numbers, Integers.
2	Aug., 2025	HCF & LCM-Problems on Multiplication, Division, Additions, Subtractions, HCF and LCM, Meaning and Types of Equations-Linear Equation - Meaning & Problems-Simultaneous Equation Meaning and Problems with only two variables (Elimination method and Substitution method).
3	Sept., 2025	Quadratic Equation Meaning and Problems under Factorization and Formula method, Percentages, Ratios and Proportions- Percentages Meaning of Percent, Meaning of Percentage- Difference between Percent and Percentage, Expression of Percent- Calculation of Percentage - Problems-Ratios - Meaning and Types of Ratio Duplicate, Triplicate and Sub-duplicate of a Ratio-Proportions -Meaning & Properties Cross product property and Reciprocal property -United Proportions-Continued Proportions - -Compound Proportions Meaning and Problems.
4	Oct., 2025	Discount, Cash Discount, True Discount, Bankers Discount, Bankers Gain & Equated Due Date-Interest Meaning and Kinds. Problems on calculation of simple Interest & compound Interest-Annuity - Meaning of Annuity Certain, Annuity Due, Contingent Annuity, Deferred Annuity and Deferred Perpetuity, Definition of a matrix, Types of matrices; Algebra of matrices,
5	Nov.,2025	Calculation of values of determinants up to third order; Adjoint of a matrix; Finding inverse of a matrix through ad joint; Applications of matrices to solution of simple business and economic problem



Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 – 2026 under Outcome Based Education framework

Name of the Assistant Professor: - Dr. Pradeep Kaswan

Class & Semester: - B. Sc – III (5th Sem).

Subject: - Real Analysis

Clear learning objectives: - Learn Riemann and improper integrals, their convergence tests, fundamental theorems, mean value results, and parameter-dependent integrals. Understand metric spaces, continuity, compactness, connectedness, Cauchy sequences, completeness, and key theorems like Cantor, Baire, and contraction principle.

Teaching Strategies: - Solve each problem and article on the board step by step, explaining each concept thoroughly. Assign problem sets that require critical thinking and mathematical reasoning. Encourage students to ask questions and engage in discussions to clarify their doubts.

Assessment Methods: - Class test, assignments, and attendance.

Sr. No.	Months	Topics
1	July., 2025	Riemann integral, Integrability of continuous and monotonic functions, The fundamental theorem of integral calculus,
2	Aug., 2025	Mean value theorems of integral calculus, Improper integral and their convergence, Comparison tests, Abel's and Dirichlet's tests, Frullani's integral, Integral as a function of a parameter. Continuity, Differentiability and integrability of an integral of a function of a parameter.
3	Sept., 2025	Definition and examples of metric spaces, neighbourhoods, limit points, interior points, open and closed sets, closure and interior, boundary points, subspace of a metric space, equivalent metrics,
4	Oct., 2025	Cauchy sequences, completeness, Cantor's intersection theorem, Baire's category theorem, Contraction principle, Continuous functions, uniform continuity, compactness for metric spaces, sequential compactness,
5	Nov., 2025	Bolzano-Weierstrass property, total boundedness, finite intersection property, continuity in relation with compactness, connectedness, components, continuity in relation with connectedness.



Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Semester I)

Name of the Assistant Professor: **Dr. Anjali Sachdeva**

Class & Section: **B.A I (DSC)**

Subject: History

Clear Learning Objectives: - Focus on acquire historical knowledge, understand context, source analysis, historical inquires, connect past to present, Critical thinking, and appreciated diverse perspectives.

Teaching Strategies: - Compare and contrast different time table, Explore historical fiction stories and writing, History debates, Teach with Current events.

Assessment Method: - Summative.

Sr. No.	Months	Topics
1.	August 2025	• Concept of history: meaning, definition, scope, importance of history. • Sources of Indian history: archaeological sources, religious sources, accounts of the foreigners.
2.	September 2025	• Pre- Historic age hunter gatherer: Paleolithic and Mesolithic, hand-axe culture, tools, life, religious beliefs, Food, etc. • Concept of Neolithic: Neolithic culture in India, main characteristics of Neolithic age. • Harappa culture: discovery, founder, origin, Extent and main sites, urban planning, society, religious life, nature of economic organization, nature of political organization, art, urban decline, later Harappa Culture. • Vedic culture: geographical background of Vedic culture, Vedic society, polity, economy, change Economy, polity, religion in the later Vedic period. • Map Work:- Important Sites of Paleolithic age
3.	October 2025	• Social development: Varna system, caste system, theories of caste system, Untouchability, marriage, Property relation, condition of women. • Origin of Jainism, life and teachings of Mahavira, Jain Sangha, schism and legacy of Jainism. • Map Work: - Important sites connected with Buddha and Mahavira. • Map Work: - Important Sites of Harappan culture. • Mid Term Exam & Assignment – I
4.	November 2025	• Buddhism: life and teachings of Lord Buddha, the Buddhist Sangha, sectarian development and councils, Downfall of Buddhism, legacy of Buddhism, comparison between Buddhism and Jainism. • Political condition of north India in 6 centuries, mahajanpads. • Sangam age: literature, society and culture, Hala dynasty and Pandya's dynasty. • Map Work:- Sites of mahajanpads • Class Test & Revision


Signature of Professor

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Semester III)

Name of the Assistant Professor: Dr. Anjali Sachdeva

Class & Section: B.A II (DSC)

Subject: History

Clear Learning Objectives: - Focus on acquire historical knowledge, understand context, source analysis, historical inquires, connect past to present, Critical thinking, and appreciated diverse perspectives.

Teaching Strategies: - Compare and contrast different time table, Explore historical fiction stories and writing, History debates, Teach with Current events.

Assessment Method: - Summative.

Sr. No.	Months	Topics
1.	August 2025	Historical geography sources: texts, epigraphic.
2.	September 2025	- Numismatic data. Debates on Indian Feudalism. - Rise of The Rajput's and the nature of the state. - Map Work: - Geographical Expansion of Rajput's Dynasty.
3.	October 2025	- Evolution of political structures: Rashtrakutas, Palas, Pratiharas, Rajputs and Cholas. - Legitimization of kingship; Brahmanas and temples; royal genealogies and rituals. - Map Work: - Extent of the Partihars Empire. - Assignment I - Mid Term Exam.
4.	November 2025	- Arab conquest of Sindh: nature and impact of the new set-up Ismaili Dawah - Cause and consequences of early Turkish invasions: Mahmud of Ghazni; Shahab-ud-Din of Ghur. - Map Work: - Extent of the Cholas Empire. - Map Work: - Invasion of Mahmud of Ghazni.


Signature of Professor

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Semester V)

Name of the A.P./Extension Lecturer: Dr. Anjali Sachdeva

Class & Section: B.A III & B.A HONS (Punjabi)

Subject: History

Clear Learning Objectives: - Focus on acquire historical knowledge, understand context, source analysis, historical inquires, connect past to present, Critical thinking, and appreciated diverse perspectives.

Teaching Strategies: - Compare and contrast different time table, Explore historical fiction stories and writing, History debates, Teach with Current events.

Assessment Method: - Summative.

Sr. No.	Months	Topics
1.	August 2025	Rise of Modern West: Renaissance and Reformation.
2.	September 2025	- Rise of Mercantilism and Beginning of Capitalism. - Agricultural Revolution, Industrial Revolution. - Map Work:-Countries of Agriculture Revolution in Europe. - Assignment: -I.
3	October 2025	- French Revolution - Napoleon Bonaparte. - Congress of Vienna. - Nationalism in Europe: Unifications of Italy and Germany. - Assignment: - II. - Test (For Assessment).
4	November 2025	- Glorious Revolution of 1688. - Revolution in Russia. - Map Work: - Europe on the Eve of French Revolution (1789). - Map Work:-Unification of Italy & Germany. - Class Test & Revision.


Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Semester III)

Name of the Assistant Professor: Dr. Anjali Sachdeva

Class & Section: M.A II (Punjabi)

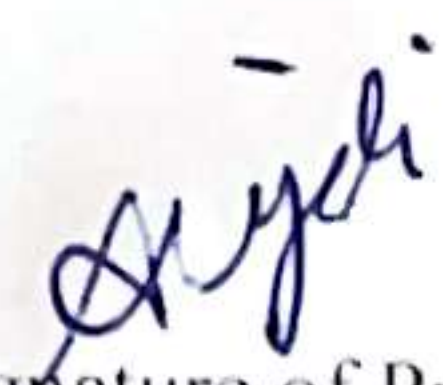
Subject: History (OEC)

Clear Learning Objectives: - Focus on acquire historical knowledge, understand context, source analysis, historical inquiries, connect past to present, Critical thinking, and appreciated diverse perspectives.

Teaching Strategies: - Compare and contrast different time table, Explore historical fiction stories and writing, History debates, Teach with Current events.

Assessment Method: - Summative.

Sr. No.	Months	Topics
1	August 2025	Approaches to Indian Nationalism
2	September 2025	- Conceptual Debates, Emergence of Organized Nationalism, Trends till 1919. - Gandhi and Movements - Nature, Programme, Social Composition, Limitations and Challenges
3	October 2025	- Major movements of Gandhi. - Revolutionary and Left Movements, Subhash Bose and INA and State Peoples' Movements. - Assignment -I. - Mid-Term Exam.
4	November 2025	- Working of Congress and Non-Congress Provincial Ministries - Communal Politics - Partition of India. - Test & Revision.


Signature of Professor

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester-Odd 2025)

Name of the A.P. : Dr. Rajpal Verma

Class & Section: B.Sc. III NM

Semester V

Subject: Chemistry

Clear Learning Objectives: To understand the basics of organic chemistry, Spectroscopy and electronic spectra.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning conceptual & numerical Problems

Sr. No.	Months	Topics
1	July 2025	Chapter- Carbohydrates Classification and nomenclature of Monosaccharides, mechanism of osazone formation, interconversion of glucose and fructose, chain lengthening and chain shortening of aldoses. Configuration of monosaccharides. Erythro and threo diastereomers.
2	August 2025	Conversion of glucose into mannose. Formation of glycosides, Determination of ring size of glucose and fructose. Open chain and cyclic structure of D (+)-glucose & D(-) fructose. Mechanism of mutarotation. Structures of ribose and deoxyribose. An introduction to disaccharides (maltose, sucrose and lactose) and polysaccharides (starch and cellulose) without involving structure determination.
3	September 2025	Chapter- Organometallic Compounds Grignard reagents-formation, structure and chemical reactions. Organozinc compounds: formation and chemical reactions. Organolithium compounds: formation and chemical reactions Chapter- Chapter- NMR Spectroscopy Principle of nuclear magnetic resonance, the PMR spectrum, number of signals, peak areas, equivalent and nonequivalent protons positions of signals and chemical shift, shielding and deshielding of protons, proton counting. Splitting of signals and coupling constants, magnetic equivalence of protons. Discussion of PMR spectra of the molecules: ethyl bromide, n-propyl bromide, isopropyl bromide, 1,1-dibromoethane, ethanol, acetaldehyde, ethyl acetate, toluene, benzaldehyde and acetophenone. Simple problems on PMR spectroscopy for structure determination of organic compounds.

Signature of the Teacher

4	October 2025	Inorganic Chemistry Chapter-Metal- Ligand Bonding in Transition Metal complexes: introduction Limitations of valence bond theory, the elementary idea of crystal field theory crystal field splitting in octahedral complexes, tetrahedral complexes crystal field splitting in square planar complexes, CFSE Values CFSE Values, factors affecting the crystal field parameters. Chapter: Thermodynamics and Kinetic Aspects of Metal Complexes thermodynamic stability of metal complexes, Factors affecting the stability of complexes Irving William Series, substitution reactions of square planer complexes of Pt[II]
5	November 2025	Chapter- Electronic spectra of Transition metal complexes Term-Symbols, LS coupling, Term symbol for p^2 configuration. Selection rules for d-d transition, spectroscopic ground states. Spectrochemical series, Orgel energy level diagram d^1 and d^9 states discussion of electronic spectrum of $[Ti(H_2O)_6]^{+3}$ complex ion. Problems discussion related to inorganic chemistry

Signature of the Teacher

LESSON PLANNING

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Planning for the Session 2025-26 under Outcome Based Education framework

Name of AP: Pradeep Bishnoi

Class and Semester: B.Sc.-III (ODD SEM)

Subject: Mathematics - Groups & Rings

Clear learning objectives – Student will learn about the binary composition, groups, rings, subgroup, subring and field. Study the properties of group, ring and field. Gain knowledge about homomorphism, automorphism and isomorphism. Learn about quotient groups, permutation groups, ideals, quotient rings and polynomial rings.

Teaching Strategies - Conceptual understanding and problem solving

Assessment Methods – Summative

Month: July

Chapter 1: Groups and Subgroups- Introduction, Binary composition, Properties of Binary operation, definition of Group, Examples of Group.

Month: August

Chapter 1: Groups and Subgroups- Theorems on Groups, Definition of Subgroup, Theorems on subgroup, Examples on subgroup, Cyclic group and Examples, Theorems on Cyclic groups.

Chapter 2: Cosets - Definition, Examples, Theorems on Cosets, Equivalence Class, Lagrange's Theorem, Theorems on Normal subgroup, Quotient groups, Theorems on Quotient groups.

Chapter 3: Homomorphisms and Automorphisms- Definition of Homomorphism and Automorphism, Theorems, Examples, Kernel of Homomorphism.

Month: September

Chapter 3: Homomorphisms and Automorphisms- Theorems on Isomorphism, Group of Automorphisms, Inner Automorphism, Examples, Group of Automorphisms of Cyclic groups, Centre of Group, Theorems on Centre of group, Examples on Centre of group, Characteristic subgroups and Normalizer of an Element, Commutator, Assignment.

Chapter 4: Permutation Groups- Definition, Properties, Examples of Permutation, Cyclic Permutation, Transposition and Disjoint Cycles, Even and Odd permutation, Alternating Group, Cayley's Theorem.

Chapter 5: Rings and Fields- Definition, Examples of Rings, Integral Domain, Field, Theorems, Examples, Subring, Theorems, Centre of a Ring, Examples, Characteristic of a Ring, Examples, Theorems, Class test.

Month: October

Chapter 6: Ideals and Quotient Rings- Definitions of Ideals, Examples, Theorems on Ideals, Product of Ideals, Simple Ring, Principal Ideal, Theorems on Principal Ideal Ring and Principal Ideal Domain, Examples, Maximal Ideal and Prime Ideal, Examples, Quotient Rings, Assignment.

Chapter 7: Homomorphisms of Rings- Ring Homomorphism, Theorems on Homomorphism, Examples, Kernel of Homomorphism, Theorems on Kernel, Examples, Embedding of Rings.

Month: November

Chapter 8: Euclidean Rings- Definitions, Euclidean Rings, Theorems, Examples, Principal Ideal Domain, Examples and Theorems on PID.

Chapter 9: Polynomial Rings- Definition, Examples, Theorems, Polynomial Ring over a Ring, Embedding of Ring into Polynomial Ring, Polynomials over a Field, Divisibility of Polynomials, UFD, Theorems on UFD, Primitive polynomial, Gauss Lemma, Related Theorems, Eisenstein's Irreducibility Criterion, Examples.

LESSON PLANNING

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Planning for the Session 2025-26 under Outcome Based Education framework

Name of AP: Pradeep Bishnoi

Class and Semester: B.Sc.-II/B.A.-II (ODD SEM)

Subject: Mathematics - Differential Equations - I

Clear learning objectives – Student will learn about the basic concepts of ordinary and partial differential equations and study the various techniques to solve different types of ODEs and PDEs. Gain knowledge about the Orthogonal Trajectories, Cauchy Euler Equations, Ordinary Simultaneous Differential Equations and Total Differential Equations.

Teaching Strategies - Conceptual understanding and problem solving

Assessment Methods – Summative

Month: July

Chapter 1: Differential Equations of First Order and of First Degree- Definition, types, order, degree, geometrical meaning and formation of a differential equation, Solution of Differential Equations of First Order and of First Degree by method of variables separable.

Month: August

Chapter 1: Differential Equations of First Order and of First Degree- Solution of Homogeneous Differential Equations of order one, Solution of Linear differential equations of first order.

Chapter 2: Exact Differential Equations – Definitions, NASC and solution of Exact DE, Solution by Integrating Factor, To find I.F. by Inspection, Rules for finding Integrating Factor, Examples

Chapter 3: Differential Equations of First Order but not of First Degree - Definition, Equations solvable for $\frac{dy}{dx}$ and related Examples, Differential equations solvable for y or x, Lagrange's Equations, Clairaut's Equations, Equations Reducible to Clairaut's Equations, p-Discriminant, c-Discriminant, Singular solution, Examples.

Month: September

Chapter 4: Orthogonal Trajectories – Definition and Types of Trajectories, Orthogonal Trajectories in Cartesian and Polar coordinates, Examples.

Chapter 5: Linear Differential Equation with Constant Coefficients - Definition, Differential Operator, Auxiliary Equation, Complete solution, Complementary Function, Particular Integral, Inverse Operator, Particular Integral in some Special Cases, Examples, Particular Integral for some trigonometric functions and cases of failure, Problems to find Complementary Function and Particular Integral, Assignment.

Chapter 6: Cauchy-Euler Equation - Definition, Method of solution of Cauchy-Euler Equation, Examples.

Chapter 7: Linear Differential Equations of Second Order with Variable Coefficients - Introduction, Solution by Method of Reduction of Order, Examples, Method of Variation of Parameters, Examples, Method of Undetermined Coefficients, Examples.

Month: October

Chapter 8: Ordinary Simultaneous Differential Equations - Introduction, Solution of different kinds of Ordinary Simultaneous Differential Equations, Examples.

Chapter 9: Total Differential Equations - Definition, Necessary and Sufficient Condition for Integrability of total Differential Equation, Exactness Condition, Solution of Total Differential Equation, Method of Auxiliary equations, Solution of Exact and Homogeneous Total Differential Equations, Examples.

Chapter 10: First Order Linear Partial Differential Equations - Partial differential equations (PDEs), Complete solution, general solution and singular solution of a PDE, Linear PDE of first order, Lagrange's method for PDEs of the form: $Pp + Qq = R$, Examples, Integral surfaces passing through a given curve, Examples, Surfaces orthogonal to a given system of surfaces, Examples.

Month: November

Chapter 11: First Order Non Linear PDEs - Compatible system of first order PDEs, Charpit's method, Examples, Solution of PDEs of Standard form of first order, Examples, Jacobi's method, Examples.

Chapter 12: Second Order Linear PDEs with Constant Coefficients - Linear Homogeneous PDEs of order n, Method to find Complementary Function and Particular Integral, Examples, Solution and Rules to find CF and PI of Non Homogeneous Linear PDEs with Constant Coefficients, Examples.

LESSON PLANNING

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Planning for the Session 2025-26 under Outcome Based Education framework

Name of AP: Pradeep Bishnoi

Class and Semester: B.Com.-I (ODD SEM)

Subject: MDC – Introductory Mathematics - I

Clear learning objectives – Student will learn about set theory, types of sets and operations on sets, gain the knowledge about Matrices & Determinants and study their various properties, learn about the basic concepts of Complex numbers, acquire the skills to solve Linear Inequalities, learn about the concepts of Arithmetic mean (A.M.), Geometric mean (G.M.), Harmonic mean (H.M.) and will be able to find A.M., G.M. and H.M of given numbers, have the knowledge about straight lines, will acquire the skills to find slope of a line and angle between two lines, study different forms of straight lines.

Teaching Strategies - Conceptual understanding and problem solving

Assessment Methods – Summative

Month: August

Chapter 1: Set Theory – Definition of Sets, representations of sets, Empty set, Finite and infinite sets, Subsets, Equal sets, Equivalent sets, Comparable sets, Power sets, Universal set, Examples, Union and intersection of sets, Difference of two sets, Complement of a set, Venn diagram, Examples, De-Morgan's laws and their applications.

Month: September

Chapter 2: Matrices & Determinants - Introduction to matrices and their types, Examples, Operations on matrices, Symmetric and skew-symmetric matrices, Examples, Minors, Co-factors, Determinant of a square matrix, Adjoint and inverse of a square matrix, Examples.

Chapter 3: Complex numbers – Definition of Complex numbers, Operations on complex numbers, Examples, Modulus and argument of a complex number, Examples, Assignment.

Month: October

Chapter 4: Linear inequalities – Definition of Linear inequalities, Algebraic solutions of linear inequalities in two variables and their graphical representation.

Chapter 5: Arithmetic progression, Geometric progression, Harmonic progression – Definition of Arithmetic mean (A.M.), Applications, Geometric mean (G.M.) and its applications, Harmonic mean (H.M.) with examples, Relation between A.M., G.M. and H.M.

Month: November

Chapter 6: Straight lines: Introduction, Slope of a line, parallel and perpendicular lines, intercepts, Different forms of equation of a line such as parallel to co-ordinate axes, point-slope form, slope-intercept form and two-point form; General form of a line; angle between two lines; Distance of a point from a straight line.

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester-Odd 2025)

Name of the A.P./Extension Lecturer: Jaswinder Singh

Class & Section: B.Sc. Physical Science-I

Semester I

Subject: Chemistry

Clear Learning Objectives: To understand the basics of the Gaseous State and Structure of Ionic Solids.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning Numerical Problems

Sr. No.	Months	Topics
1	July 2025	Gaseous State(Section –B) Gaseous law, Kinetic Molecular Theory of Gases, Maxwell's distribution of velocities and energies and the effect of temperature
2	August 2025	Maxwell's distribution of velocities and energies and effect of temperature, Calculation of root mean square velocity, average velocity and most probable velocity and related Numerical problems
3	September 2025	Collision diameter, collision number, collision frequency, Mean free path and effect of temperature on mean free path, Deviation of Real gases from ideal behaviour and compressibility factor Derivation of Van der Waal's Equation of State, Units and significance of vander waal's constants, explanation of gaseous behavior by using vander waal equation of state Application Van der Waal's Equation of State in the calculation of Boyle's temperature, Calculation of second virial coefficient and molecular diameter by using Van der Waal's Equation of State, Calculation of molecular diameter and related numerical problems, Basic introduction to critical phenomenon
4	October 2025	Solid State Classification of solids based on properties and types of bonding Terms used in Crystallography, Law of constancy of interfacial angles law of rational indices, Elements of Symmetries Law of Symmetry and symmetry element in cubic system
5	November 2025	Miller indices and interplanar distance calculation seven crystal systems and fourteen Bravais lattices with examples X-ray diffraction-Bragg's law and numerical problems, Laue method Rotating crystal method and powder pattern method Determination of Structure of NaCl, KCl,

Signature of the Teacher

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester-Odd 2025)

Name of the A.P./Extension Lecturer: Dr. Sunil Kumar

Class & Section: B.Sc. Physical Science-I

Semester I

Subject: Physics

Clear Learning Objectives: The objective of this course is to teach the students fundamentals of Mechanics, rigid body dynamics and the special theory of relativity.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning Numerical Problems

Sr. No.	Months	Topics
1	July 2025	Rotational Dynamics: Rigid body, Moment of Inertia, Radius of Gyration, Torque, Angular momentum, Rotational kinetic energy, law of conservation of angular momentum, theorem of perpendicular and parallel axis (with proof),
2	August 2025	Rotational Dynamics: Moment of Inertia of Ring, Disc, solid cylinder, hollow cylinder, solid sphere, hollow sphere, Spherical Shell, solid bar of rectangular cross section, Moment of Inertia of Fly wheel, Moment of inertia of an irregular body, acceleration of a body rolling down on an inclined plane.
3	September 2025	Elasticity: Elasticity, Stress and Strain, Hook's Law, Elastic constants and their relations, Poisson's ratio, Torsion of cylinder and twisting couple, Determination of Coefficients of modulus of rigidity for the material of wire by Maxwell's needle, Bending of beam (bending moment and its magnitudes),
4	October 2025	Elasticity: Cantilever and centrally loaded beam, Determination of Young's modulus for the material of the beam and Elastic constants for the material of the wire by Searle's method. Theory of Relativity: Reference frames, Inertial and non-Inertial frames of references, Galilean Transformation, Galilean Invariance and principle of Newtonian relativity,
5	November 2025	Theory of Relativity: Michelson-Morley's experiment and its findings. Postulates of special theory of relativity, Lorentz Transformations, Length contraction, Time Dilation and Twin Paradox, velocity addition theorem, Variation of mass with velocity, Mass Energy equivalence.

Signature of the Teacher

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester-Odd 2025)

Name of the A.P./Extension Lecturer: Dr. Rajpal Verma

Class & Section: B.Sc. Physical Science-I

Semester I

Subject: Chemistry

Clear Learning Objectives: To understand the basics of the general organic chemistry, stereochemistry and atomic Structure & periodic properties.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning Conceptual & conversion reaction Problems

S. N.	Months	Topics
1	July 2025	General Organic Chemistry Localized and Delocalized chemical bond, van der Waal's interactions, resonance and its conditions and applications, hyperconjugation, inductive effect, electromeric effect and their comparison.
2	August 2025	Stereochemistry of Organic Compounds Types of isomerism, optical isomerism - elements of symmetry, molecular chirality, chiral and achiral molecules with two stereogenic centres, enantiomers and their properties,
3	September 2025	Diastereomers and their properties, erythro and threo diastereomers, meso compounds, Difference between conformations and configurations, Newmann and Sawhorse projections, Fischer and Flying wedge configurations Conformational isomerism – conformational analysis of ethane and n-butane, conformations of cyclohexane. Relative and absolute configurations, sequence rules, R & S systems of nomenclature. Geometric isomerism – cis, trans isomerism, E & Z system of nomenclature
4	October 2025	Atomic Structure Dual behaviour of matter and radiation, de Broglie's relation, Heisenberg's uncertainty principle, concept of atomic orbitals, Significance of quantum numbers, radial and angular wave functions, normal and orthogonal wave functions, significance of ψ and ψ^2 , shapes of s, p, d and f orbitals, rules for filling electrons in various orbitals, effective nuclear charge, Slater's rules
5	November 2025	Periodic Table and Atomic Properties Classification of periodic table, definition of atomic and ionic radii, ionization energy, electron affinity and electronegativity, trends in periodic table (in s and p block elements), Pauling, Mulliken, Allred Rachow and Mulliken Jaffe's electronegativity scale.

Signature of the Teacher

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester-Odd 2025)

Name of the A.P./Extension Lecturer: Jaswinder Singh

Class & Section: B.Sc. II Physical Science **Semester III**

Subject: Chemistry

Clear Learning Objectives: To understand the basics of Thermodynamics, Electrochemistry, EAS Reactions, Unimolecular and Bimolecular Substitution and Chemical Properties of p-block elements.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning Numerical Problems

Sr. No.	Months	Topics
1	July 2025	Physical Chemistry, Chapter- Thermodynamics Definition of thermodynamic terms : system, surrounding etc. Types of systems, intensive and extensive properties. State and path functions and their differentials, State variables Thermodynamic process, Thermodynamic equilibrium, Concept of heat and work, First law of thermodynamics: statement concepts of internal energy and enthalpy ,Heat capacity, heat capacities at constant volume and pressure and their relationship
2	August 2025	Calculation of w,q, dU & dH for the expansion of ideal gases under isothermal conditions for reversible process Calculation of w,q, dU & dH for the expansion of ideal gases under adiabatic conditions for reversible process, Comparison of isothermal and adiabatic process, Numerical problems Bond enthalpies and calculations of enthalpy of reaction, Kirchoff's Equation and numericals, Carnot Cycle, Carnot Theorem and Numerical problems Topic- Electrochemistry Introduction to basic terms like conductance, resistance, resistivity and cell constant, Variation of specific, equivalent and molar conductance with dilution Arrhenius theory of ionization and its limitations , Ostwald dilution law, Kohlrausch Law and Its applications and Buffer System
3	September 2025	Aromatic, Antiaromatic and Non-Aromatic Compounds, Huckel Rule, Annulenes, EAS Reactions- General Pattern of Mechanism, Types of Reactions, orientation and Reactivity in EAS Alkyl and Aryl Halides- Method of Preparation and Chemical Properties- Unimolecular and Bimolecular Nucleophilic Substitution Reactions with Mechanism and Stereochemistry
4	October 2025	p- Block elements- General Physical Properties, inert pair effect and diagonal relationship Boron family- Diborane, Borazine and Lewis Acid Character of Boron Halides and Aluminium(III) Chloride. Carbon Family- Catenation, Carbenes and Silicates
5	November 2025	Nitrogen Family- oxides and oxoacids of Nitrogen and Phosphorous and Allotropes of Phosphorous. Oxygen Family- oxoacid of Sulphur and Hydrogen Peroxide Halogen Family- Acidic Strength of Oxoacids of Halogens

Signature of the Teacher

Signature of the Teacher

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester-Odd 2025)

Name of the A.P./Extension Lecturer: Dr. Sunil Kumar

Class & Section: B.Sc. II Physical Science **Semester III**

Subject: Physics

Clear Learning Objectives: The objective of this course is to familiarize the students with the concepts of wave optics.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning Numerical Problems

Sr. No.	Months	Topics
1	July 2025	Interference by Division of Wave front: Young's double slit experiment, Coherence, Conditions of interference.
2	August 2025	Interference by Division of Wave front: Fresnel's biprism and its applications to determine the wavelength of sodium light and thickness of a mica sheet, phase change on reflection. Interference by Division of Amplitude: Plane parallel thin film, production of colours in thin films, Interference due to transmitted light and reflected light, wedge shaped film,
3	September 2025	Interference by Division of Amplitude: Newton's rings and its applications. Fresnel Diffraction: Fresnel's half period zones, zone plate, diffraction at a straight edge, diffraction at rectangular slit. Fraunhofer diffraction: single slit diffraction, double slit diffraction, Plane Diffraction grating,
4	October 2025	Fraunhofer diffraction: limit of resolution, Rayleigh's criterion, resolving power of telescope and a grating. Polarization: Polarisation by reflection, refraction and scattering, Malus Law, Phenomenon of double refraction, Huygens's wave theory of double refraction, Nicol prism, Quarter wave plate and half wave plate,
5	November 2025	Polarization: Production and detection of (i) Plane polarized light (ii) Circularly polarized light and (iii) Elliptically polarized light, Optical activity, Fresnel's theory of optical rotation, Specific rotation.

Signature of the Teacher

Name of the A.P./Extension Lecturer: Rajpal Verma

Class & Section: B.Sc. II Physical Science **Semester III**

Subject: Chemistry

Clear Learning Objectives: To understand the basics of organic chemistry- Alkenes.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods like ball and stick models.

Assessment methods: Class Test, Assignments, and Assigning conversion reactions

Sr. No.	Months	Topics
1	July-August 2025	Alkenes Nomenclature of alkenes, mechanisms of dehydration of alcohols and dehydrohalogenation of alkyl halide. The Saytzeff rule, Hofmann elimination, physical properties and relative stabilities of alkenes. Chemical reactions of alkenes—mechanisms involved in hydrogenation, electrophilic and free radical additions, Markownikoff's rule, hydroboration–oxidation, oxymercuration demercuration reduction, ozonolysis, hydration, hydroxylation and oxidation with KMnO_4 .

Signature of the Teacher

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework) (Semester-Odd 2025)

Name of the A.P./Extension Lecturer: Jaswinder Singh

Class & Section: B.Sc. III NM

Semester V

Subject: Chemistry

Clear Learning Objectives: To understand the basics of Quantum mechanics and Bonding in Coordination compounds.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning Numerical Problems

Sr. No.	Months	Topics
1	July 2025	Chapter - Quantum Mechanics-I Black-body radiation, Explanation of Spectral distribution of black body radiation based on classical Mechanics, Planck's Radiation law, Photoelectric effect, Heat Capacities of solids
2	August 2025	Origin of Quantum Mechanics, Schrodinger Wave Equation, Eigen values and Eigen functions, Significance of the wave function, Normalized and orthogonal wave function, operators in quantum mechanics and their role. Postulates of Quantum Mechanics, Derivation of Schrodinger wave equation based on the postulates of quantum mechanics Determination of wave function & energy of a particle in one-dimensional box by using Schrodinger wave equation. Spectroscopy-I Basic features of spectroscopy, resolving powers, Born-Oppenheimer approximation, Selection rule, widths and intensity of signals
3	September 2025	Degrees of freedom and examples Rotational Spectrum, Selection rules, Energy levels of rigid rotator. Determination of bond length and isotopic effect Vibrational spectrum, Selection rules, Energy levels of simple harmonic oscillator, pure vibrational-spectrum of diatomic molecules Determination of force constant, P, Q, R branches in Vibrational-rotational Spectrum Numerical problems based on rotational and vibrational spectra Raman Spectrum, Concept of polarizability and explanation of Raman effect based on polarizability, selection rules, Quantum theory of Raman spectra. pure rotational Raman spectra of diatomic molecules pure vibrational Raman spectra of diatomic molecules, rotational and vibrational Raman spectra of diatomic molecules, Polarization – Clausius – Mossotti equation. Orientation of dipoles in an electric field, dipole moment, induced dipole moment, Magnetic permeability and susceptibility and its determination. magnetic properties – paramagnetism, diamagnetism and ferromagnetism.
4	October 2025	Inorganic Chemistry Chapter-Metal- Ligand Bonding in Transition Metal complexes: introduction Limitations of valence bond theory, the elementary idea of crystal field theory crystal field splitting in octahedral complexes, tetrahedral complexes crystal field splitting in square planar complexes, CFSE Values CFSE Values, factors affecting the crystal field parameters. Chapter: Thermodynamics and Kinetic Aspects of Metal Complexes thermodynamic stability of metal complexes, Factors affecting the stability of complexes Irving William Series, substitution reactions of square planar complexes of Pt[II]

Signature of the Teacher

5	November 2025	Trans effect and related theories Magnetic properties of Transition metal complexes Types of magnetic materials, magnetic susceptibility, and method of determining magnetic susceptibility spin only formula, L-S coupling, correlation of μ_s and μ_{eff} values orbital contribution to magnetic moments, application of magnetic moment data for 3d metal complexes application of the magnetic moment data for 3d metal complexes
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Signature of the Teacher

**Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester-Odd 2025)**

Name of the A.P./Extension Lecturer: Dr. Sunil Kumar

Class & Section: B.Sc. III NM

Semester V

Subject: Physics

Clear Learning Objectives: To understand the basics of Quantum mechanics, laser operation, and nuclear structure; apply them to solve problems and explain technologies in physics.

Teaching Strategies: Traditional teaching methods, including lectures and class discussions, are used to impart knowledge to students, along with active learning methods.

Assessment methods: Class Test, Assignments, and Assigning Numerical Problems

Sr. No.	Months	Topics
1	July 2025	Overview, scale of quantum physics, boundary between classical and quantum phenomena, Photon, Photoelectric effect, Compton effect (theory and result). Frank Hertz experiment, de-Broglie hypothesis. Davisson and Germer experiment, G.P. Thomson experiment, Phase velocity, group velocity and their relation.
2	August 2025	Heisenberg's uncertainty principle. Time energy and angular momentum, position uncertainty, Uncertainty principle from de Broglie wave. (Wave-particle duality). Gamma Ray Microscope, Electron diffraction from a slit. Derivation of 1-D time-dependent Schrodinger wave equation (subject to force, free particle), Time-independent Schrodinger wave equation, eigen values, eigen functions, wave functions and its significance. Orthogonality and Normalization of function, concept of observer and operator. Expectation values of dynamical quantities, probability current density. i) Free particle in one-dimensional box (solution of Schrodinger wave equation, eigen functions, eigen values, quantization of energy and momentum, nodes and anti-nodes, zero point energy). (ii) One dimensional step potential $E > V_0$ (Reflection and Transmission coefficient) (iii) One dimensional step potential $E < V_0$ (penetration depth calculation). (iv) One dimensional potential barrier, $E > V_0$ (Reflection and Transmission coefficient) (v) One-dimensional potential barrier, $E < V_0$ (penetration or tunneling coefficient). (vi) Solution of Schrodinger equation for harmonic oscillator (quantization of energy, Zero-point energy, wave equation for ground state and excited states). Absorption and emission of radiation, Main features of a laser: Directionality, high intensity, high degree of coherence, spatial and temporal coherence, Einstein's coefficients and possibility of amplification, momentum transfer, life time of a level. kinetics of optical absorption ((two and three level rate equation, Fuchbauer landerburg formula).population inversion: A necessary condition for light amplification, resonance cavity, laser pumping.

Signature of the Teacher

3	September 2025	Threshold condition for laser emission, line broadening mechanism, homogeneous and inhomogeneous line broadening (natural, collision and Doppler broadening). He-Ne laser and RUBY laser (Principle, Construction and working), Optical properties of semiconductor, Semiconductor laser (Principle, Construction and working), Applications of lasers in the field of medicine and industry. Nuclear Structure and Properties of Nuclei Nuclear composition (p-e and p-n hypotheses), Nuclear properties; Nuclear size, spin, parity, statistics, magnetic dipole moment, quadrupole moment (shape concept). Determination of mass by Bain-Bridge, Bain-Bridge and Jordan mass spectrograph. Determination of charge by Mosley Law. Determination of size of nuclei by Rutherford Back Scattering. mass and binding energy, systematic of nuclear binding energy, nuclear stability Unit II: Nuclear Radiation decay Processes Alpha-disintegration and its theory. Energetics of alpha-decay, Origin of continuous beta spectrum (neutrino hypothesis), types of beta-decay and energetics of beta-decay. Nature of gamma rays, Energetics of gamma rays.
4	October 2025	Radiation interaction Interaction of heavy charged particles (Alpha particles); Energy loss of heavy charged particle (idea of Bethe formula, no derivation), Range and straggling of alpha particles. Geiger-Nuttall law. Interaction of light charged particle (Beta-particle), Energy loss of beta-particles (ionization), Range of electrons, absorption of beta-particles. Interaction of Gamma Ray; Passage of Gamma radiations through matter (Photoelectric, Compton and pair production effect) electron-positron annihilation. Absorption of Gamma rays (Mass attenuation coefficient) and its application. Unit III: Nuclear Accelerators Linear accelerator, Tandem accelerator, Cyclotron and Betatron accelerators. Nuclear Radiation Detectors. Gas filled counters; Ionization chamber, proportional counter, G.M. Counter (detailed study), Scintillation counter and semiconductor detector.
5	November 2025	Unit IV: Nuclear reactions. Nuclear reactions, Elastic scattering, Inelastic scattering, Nuclear disintegration, Photonuclear reaction, Radiative capture, Direct reaction, Heavy ion reactions and spallation Reactions. Conservation laws, Q-value and reaction threshold. Nuclear Reactors. Nuclear Reactors, General aspects of Reactor Design. Nuclear fission and fusion reactors, (Principle, construction, working and use).

Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester...Odd 2025...)

Name of the A.P./Extension Lecturer: Dr. B. B. B. B.

Class & Section: B. Com Semester 5th Subject: Financial Mgt Clear Learning

Objectives: - Concept clarity
- Practical App of subject Teaching Strategies: Lecture Practical sessions
Problem solving competitions Online lectures prepared by
Assessment methods: Class tests Assignments Attendance They Govt College faculty

Sr. No	Months	Topics	
1	July 2025	Nature and Scope of Financial Mgt, Financial Planning, Capitalisation,	
2	August 2025	Financial Forecasting, Capital Budgeting, sources of finance (Long term, Medium term and short term).	
3	September 2025	Cost of Capital, leverage, Dividend Policy. Mgt of Working Capital	
4	October 2025	Mgt of Cash, Receivables, Inventory.	
5	November 2025	Revision:	

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Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester...Odd...2025)

Name of the A.P./Extension Lecturer: Dr. Bharti Bani

Class & Section: B.Com Semester 5th Subject: Advertising Clear Learning

Objectives: To provide basic knowledge about the subject Teaching Strategies: Lecture, Real life Examples, Group Discussions, Interactive sessions where learner will provide examples.

Assessment methods: Assignments, Class Tests, Attendance.

Sr. No	Months	Topics	
1	July 2025	Marketing Communication and Mktg. Communication Mix	
2	Augu 2025	Advertising, Economic & social Aspects, Legal and Ethical Aspects, Types of Advertising, Adv. objectives, Aud. Analysis	
3	September 2025	Advertising Budget, Types of Adv. Media, Media Planning and scheduling, Creative Aspects of Advertising.	
4	October 2025	Measuring Adv. Effectiveness, Adv. Agency, Adv & consumer behaviour.	
5	November 2025	Revision	


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Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester...Odd.2025...)

Name of the A.P./Extension Lecturer: Dr. Bharti Bhat

Class & Section: B.Com Semester 3rd Subject: Adv. Fin. Accounting Clear Learning

Objectives: 70% concept clarity and practical applications of various fin. topics Teaching Strategies: Lecture, Practice sessions & Doubt clearing session

Assessment methods: Problem solving, assignments, class tests & organizing class competitions and attendance

Sr. No	Months	Topics	
1	July 2025	Partnership Accounts — Distribution of Profits	
2	Augul 2025	Admission, Retirement and Death of a Partner. Dissolution of Partnership firm.	
3	September 2025	Sale of Partnership firm to a company. Branch Accounts.	
4	October 2025	Branch Accounts (Contd...) & Hire Purchase & Instalment Payment system	
5	November 2025	Revision	


Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester...Odd. 2025)

Name of the A.P./Extension Lecturer: Dr. Bharti Bhan.

Class & Section: B.Com Semester 1st Subject: Bus. Management Clear Learning

Objectives: To help students understand the concept of bus. management. Teaching Strategies: Lecture, Group Discussion, Role Playing.

Assessment methods: Assignment, Class/Module Exam, Attendance.

Sr. No	Months	Topics	
1	July 2025	Introduction to Management, Development of Mgt. Thought, Planning.	
2	Augu 2025	Decision Making, MBO, Organizing, Factors of Organizational structure, Span of Control / Mgt	
3	September 2025	Delegation of authority, Decentralisation and Centralisation, Directing, Supervision Motivation	
4	October 2025	Leadership, Communication, Coordination Controlling.	
5	November 2025	Control Techniques Revision.	

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Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester...Odd...2025...)

Name of the A.P./Extension Lecturer: Dr. Bhakt. Bhanu

Class & Section: B.Com Semester: 3rd Subject: International Mktg Clear Learning

Objectives: To provide basic knowledge about the subject Teaching Strategies: Lecture, Practical examples from daily life. Case study, group discussion.

Assessment methods: Assignments, Class Tests, Q & A sessions, Attendance

Sr. No.	Months	Topics	
1	July 2025	Introduction to Int. Mktg, Int Mktg Env.	
2	Augu 2025	foreign Market Entry Modes, Product Planning for International Mkts, Branding, Packaging and Labelling.	
3	September 2025	International Pricing, Int Price Quotation, Promotion of Products Abroad.	
4	October 2025	Int. Advertising, Personal selling, Int Dist.	
5	November 2025	selection and Appointment of foreign sales agents & Revision.	


Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester... Odd 2025..)

Name of the A.P. Extension Lecturer: Dr. Shail Bhat

Class & Section: B. Com Semester 3rd Subject: Event Management Clear Learning

Objectives: To make the students familiar with techniques and skills for successful org. of special events. Teaching Strategies: Lecture, group Discussion

Assessment methods: Assignment, Mid term exam, Attendance

Sr. No	Months	Topics	
1	July 2025	Introduction to Event Mgt, Principles of Event Mgt	
2	Augu 2025	Types of Events, Developing mission, Etds. objectives, preparing event proposal. Leadership traits and Characteristics.	
3	September 2025	Crowd Management, Major risks and emergency planning, Event Budget and different types of sponsorships.	
4	October 2025	Purpose, Venue, Timing, Guest list, Invitation, food & Drink, Room dressing, Equipment, Protocols, Dress codes, staging, Guest of Honour, speakers, Media, Photographers, Podium, Exhibitions.	
5	November 2025	Revision	


Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework)
(Semester...Odd...2025...)

Name of the A.P./Extension Lecturer: Dr. Bharti Brar.

Class & Section: T.D.C.I. Semester 1st Subject: General Mgt. (MBC) Clear Learning

Objectives: To equip learners with basic
and related knowledge Teaching Strategies: Lectures, Practical examples,
and its applicability. Interactive sessions, Group Disc.

Assessment methods: Assignments, Class Test,
Role Playing, Attendance

Sr. No.	Months	Topics	
1	July 2025	Introduction to Management, Principles of Mgt, Evolution of Mgt Thought.	
2	Augu 2025	Evolution of Management Thought (Contd....) Planning, Organizing, Staffing.	
3	September 2025	Directing, Controlling, Functional Areas of Mgt, Coordination, Types of Plans.	
4	October 2025	Decision Making, Division of Labour and Specialisation, Forms of Org. structure.	
5	November 2025	Revision	


Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework) (Semester 1st...Odd.....)

Name of the A.P./Extension Lecturer:Dr. Vikram Bansal / Dr. Jyoti Yadav

Class & Section: BA/ B.Sc Sports/B.Com (MDC) /B.Sc Phy Sciences Semester 1st Sem

Subject: Introduction to MS word

Clear Learning Objective- Creating & Managing documents

Teaching Strategies-Demonstration-based teaching with hands-on practice, visual aids, and step-by-step guidance to enhance learning of PowerPoint skills.

Assessment methods: TTE/MTE/Assignment/Attendance

Sr. No.	Months	Topics
1	July 2025	Introduction to MS Word: Word processor, Creating new documents, Saving files (docx, PDF), Opening existing documents, Printing setup and options, Clipboard functions (cut/copy/paste)
2	August 2025	Formatting &Editing: Font formatting (styles, size, color), Paragraph formatting (alignment, spacing), Editing tools (find/replace), Adding pages (cover, blank), Inserting tables & bulleted lists
3	September 2025	Adding illustrations (pictures, shapes), Header & footer insertion, page colors, Adding paragraph spacing, Setting page borders, Setting page margins, Page orientation (portrait/landscape),
4	October 2025	Paragraph indentation, Line and page breaks, Spell and grammar check Inserting Hyperlinks and Bookmarks Adding table of contents, Inserting footnotes, Adding citations, Creating simple bibliography
5	November 2025	Mailings: Creating labels, starting mail merge, Inserting merge fields, record and run a Macro

Signature of the Teacher

Dr. B.R. Ambedkar Govt. College Dabwali (Sirsa)

Lesson Plan for the Session 2025 - 2026 (Under Outcome Based Education Framework) (Semester 3rd...Odd.....)

Name of the A.P./Extension Lecturer:Dr. Vikram Bansal / Dr. Jyoti Yadav

Class & Section: BA/ B.Sc Sports/B.Com (MDC) Semester 3rd Sem

Subject: Power Point with Animation

Clear Learning Objective- Creating & Managing Presentation

Teaching Strategies-Demonstration-based teaching with hands-on practice, visual aids, and step-by-step guidance to enhance learning of PowerPoint skills.

Assessment methods: TTE/MTE/Assignment/Attendance

Sr. No.	Months	Topics
1	July 2025	Overview of PowerPoint, Features and interface (Ribbon, Slides Pane, Notes), Creating, saving, and opening presentations
2	August 2025	Slide Management: Adding, deleting, duplicating slides, Slide layouts and design themes, Formatting text, Inserting shapes, icons, SmartArt
3	September 2025	Advanced Slide Design: Inserting and formatting images, charts, tables, Background customization, Master Slides & Templates
4	October 2025	Animations in PowerPoint: Entrance, Exit, Emphasis effects, Motion Paths, Trigger animations, Animation Pane
5	November 2025	Slide Transitions, Hyperlinks & Action Buttons, Creating interactive navigation, Linking to slides/websites/files, Review & Practice

Signature of the Teacher