

Subject Lesson Plan January- 2020 to March- 2020
B.A. 4th Semester

Name of the Teacher Dr. Somender Sharma Subject English

Paper 1 Section B

January-2020

Lesson no. 01 'The Envy' with all textual
exercises

Translation and exercises

February-2020

Lesson no. 02 'The Swan Song' and Lesson no.
03 'The Monkey's Paw' with all textual exercises

Dialogue writing and Email writing and
Resume

March-2020

Lesson no. 04 Before Breakfast with all
textual exercises

Resume writing and Piecemeal writing

April-2020

Lesson no. 'The Sleepwalkers' with all textual
exercises

Book reviews and revision of the syllabus

Somender
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

B.A. 2nd Semester

Name of the Teacher Dr. Somender Sharma Subject English

Paper I Section B 2 C

January-2020

Lesson no. 1. 'Pigeons at Daybreak' with textual and grammatical exercises associated with it

Lesson 2. 'With the Photographer' with textual and grammatical exercises.

February-2020

Lesson 3. 'The Journey' Lesson no. 04 'The Refugee' and Lesson 05 'Bellona for the Bullock' with all text and grammatical exercises associated with them.

March-2020

Lesson 06 'Porchlight' and Lesson no. 07 'The child' with all textual and grammatical exercises.

April-2020

Lesson no. 08 'The Blind Dog' with all textual and grammatical exercises.

Appendix and Essay writing
Revision of the syllabus

Somender

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

B.A. 2nd Semester

Name of the Teacher Dr. Sonender Sharma Subject English

Paper: _____ Section B & C

January-2020

Lesson no. 1. 'Pigeons at Daybreak' with textual and grammatical exercises associated with it.

Lesson. 2. 'With the Photographer' with textual and grammatical exercises.

February-2020

Lesson. 3. 'The Journey' Lesson no. 04 'The Refugee' and Lesson. 05 'Bellows for the Bullock' with all text and grammatical exercises associated with them

March-2020

Lesson. 06 'Porchlight' and Lesson no. 07 'The child' with all textual and grammatical exercises

April-2020

Lesson no. 08 'The Blind Dog' with all textual and grammatical exercises

Appendix and Essay writing
Revision of the syllabus

Sonender
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

B.A. 6th Semester

Name of the Teacher Dr. Somenar Sharon Subject English

Paper ✓ Section B

January-2020

Introduction to Drama and Types of Drama
Act no. 01 of the play 'The Merchant of Venice'

February-2020

Act no. 02 & 03 of the play 'The Merchant of Venice'
Poetic Writing

March-2020

Act no. 04 and 05 of the play 'The Merchant of Venice'
Summarizing / Abstracting

April-2020

One word Substitution, Letter Writing and
Unseen Comprehension
Revision of the syllabus

Somenar

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Sriyam VASILSHTRA Subject Commerce

Paper Financial Accounting-II Section BLOM I (Semester II)

January-2020

Week II - Dissolution of Partnership (Garnier Vs. Murray Rules Included)

Week III - Amalgamation & Sales of Firms, etc.

Week IV - Gradual Realization & Piecemeal Distribution etc.
& Revision.

February-2020

Week I - Hire Purchase, Installment System - Accounting to Borrower

Week II - Books of Hire Vendor, Stock & Debtors System

Week III - Joint Venture - Bank Account, Receipts etc.

Week IV - Transactions, Memorandum IV account.

March-2020

Week I - Royalty Account; meaning, Types, Entries etc.

Week II - Branch Accounts: Parties, Debtor & Income System

Week III - B Accounts; Stock & Debtor, Pros & Cons, Treatment etc.

Week IV - Insolvency Accounts for NCE & Related Aspects

April-2020

Week I - Balance sheet & Statement of Affairs with Accounts
Treatments.

Week II to IV - Revisions, Tests, SA's Class Seminars etc.


13/01/2020
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Sujata VASANTH Subject Commerce
Paper BRF (2019-20) Section Block II (Semester II)

January-2020

Week II - Introduction of Business Laws, Orientation & PPT

Week III - Indian Partnership Act 1932 & Related Provisions

Week IV - Dissolution of Firms, Compromises & Settlement etc.

February-2020

Week V - Negotiable Instrument Act, Promissory Note, BOP & Cheques & Bankers Duty

Week VI - Partners, discharge of liabilities, Disturbance of HZ etc.

Week VII - Class Tests, Seminars, GD's etc.

Week VIII - Introduction of Sales of Goods Act 1930.

March-2020

Week IX - Sales of Goods Act - Constituents

Week X - Contract of Sales, Delivery, Payments etc.

Week XI - Unpaid Seller, Transfer of ownership/Property

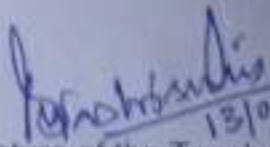
Week XII - RTI Act Introduction & Background

April-2020

Week I - RTI Act 2005 - features, Rights & Importance

Week II - Revision of the syllabus

Week III & IV - Class Tests, Seminars, GD's etc.


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Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher SHYAM VASHISTHA Subject Commerce

Paper BRF (2019-20) Section Branch II (Semesters IV)

January-2020

Week II - Introduction of Business Laws, Orientation & PKT

Week III - Indian Partnership Act 1932 & related frameworks

Week IV - Dissolution of Firms, Consequences & Settlement etc.

February-2020

Week I - Negotiable Instrument Act, Promissory Note, B.O.E & Cheques & Publicity

Week II - Partners, discharge of liabilities, Dishonour of N.I etc.

Week III - Class Tests, Seminars, S.D's etc.

Week IV - Introduction of Sales of Goods Act-1930

March-2020

Week I - Sales of Goods Act - Constituents

Week II Contract of Sales, Delivery, Payments etc.

Week III Unpaid Seller, Transfer of ownership/Property

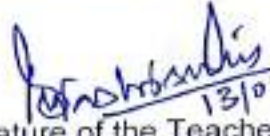
Week IV RTI Act Introduction & Background

April-2020

Week I RTI Act 2005 - features, Rights & Importance

Week II Revision of the Syllabus

Week III & IV - Class Tests, Seminars, S.D's etc.


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Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Shyam VASHISTHA Subject Commerce

Paper Cost Accounting - II Section Block III (Semester VI)

January-2020

Week II - Introduction & orientation of the paper
Week III - Process costing, wastage, effect on cost, joints by Product etc.
Inter Process Profit Transfer and Related issues.

Week IV - Class Tests, Seminar, S.D's etc.

February-2020

Week I Contract Costing - Introduction & Basics

Week II Contract Accounts - Various forms.

Week III Budgetary Control - Introduction

Week IV Budgets - Types & Properties

March-2020

Week I Standard Costing & Variance Analysis - Intro.

Week II Variances - Labour & Material

Week III Marginal Costing, Absorption Costing & B.E.P.

Week IV B.E. chart, m/s, Sales mix, make or Buy Decisions etc.

April-2020

Week I Revisions

Week II Class Tests & S.D's

Week III & IV. Problem Solving & Paper Presentation etc.

Signature of the Teacher
13/01/2020

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Snyom VASHISHTHA Subject Commerce

Paper International Marketing Section Branch III (Semester VI)

January-2020

Week II - Introduction & Basics of IM

Week III - Concepts, I. Business Environment, Domestic Vs. International Marketing

Week IV - Foreign Market Selection & Entry mode.

February-2020

Week I - Product Planning, Pricing, design etc.

Week II - Price quotations, Payment modes etc.

Week III - Class Tests & S.D's

Week IV - Problem Solving, Query Settlement, Seminars

March-2020

Week I - I. Distribution - Channels, Conflicts, Agents etc.

Week II - Export Procedure & Documentation.

Week III - Product Promotion, Advertising, Media for IM.

Week IV - Strategies, Webmarketing, Exhibitions, Trade Fairs

April-2020

Week I - Revision of the contents

Week II - Paper Presentation & S.D's

Week III & IV - Class Seminars, Quiz & Tests.

Vashishtha
13.01.2020
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Neelam Subject Political Science (opt.ii)

Paper Indian Politics Section A & B.

January-2020

Unit I :- Federalism and its working with
reference to Centre-state Relations.

February-2020

Unit I :- Demand for State Autonomy ; Emerging
Trends in Indian Federalism.

Unit II :-

Election Commission, Electoral Process and its defects
and voting behaviour.

March-2020

Unit II :- Electoral Reforms, Problem of Defection.

Unit III :- Party System in India ; National and
Regional Political Parties.

April-2020

Unit IV :- Role of Caste, Religion, Language,
Regionalism in India. Politics of Reservation.

Neelam
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Neelam Subject Political Science optional

Paper Principles of Political Science - II Section A + B.

January-2020

Unit I :- Concept and Theories of Rights.

Relationship between Rights and Duties.

February-2020

Unit I :- Universal Declaration of Human Rights.

Unit II :- Concept and Theories of Liberty, Equality.

March-2020

Unit II :- Relationship between Liberty and Equality.

Unit III :- Concept of Social Change.

April-2020

Unit III :- Concept and Theories of Development.

Unit IV :- RTI and Consumer Protection and welfare.

Neelam
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Neelam Subject Political Science, Option-1

Paper Comparative Constitution of U.K. and U.S.A. Section A+B

January-2020

Unit I:- Evolution, Conventions, Legacies and Basic features of constitution of U.K. and U.S.A.

February-2020

Unit I:- Socio-Economic basis of constitution of U.K. and U.S.A.

Unit II:- Comparative Study of Executive, Legislature of U.K. and U.S.A. ...

March-2020

Unit II:- And Judiciary System of U.K. and U.S.A.

Unit III:- Comparative studies of structures, Functions and Roles of Political Parties and Pressure Groups of U.K. and U.S.A.

April-2020

Unit IV:- Electoral Processes, Voting Behaviour, Bureaucracy and Recent Trends of the working of the systems of U.K. and U.S.A.

Dr. Neelam
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

B. Com VI Ch Sum

Name of the Teacher Dr. Umesh Singh Subject GST and customs law
Paper _____ Section _____

January-2020

Introduction :- features, Benefit, constitutional framework of GST. Important definitions - Supply under GST. Levy and collection including Reverse charge mechanisms. Tax on (FCO) Exemption from GST. Composition Levy

February-2020

Place of Supply. State, U.T. Interstate, Import and Export. Time of Supply. Value of supply including valuation rules input tax credit eligibility and condition for taking input tax credit. Apportionment of credit and blocked credit.

March-2020

Registration, Issue of Invoice, Tax Invoice, Revised Tax Invoice and ex. note, voucher. e-way bill. Payment of taxes provision of TDS & TCS. Assessment and Audit

April-2020

customs Duty: Important definitions, types, Importance. Document required for Import & Export procedures. Export promotion Schemes


Signature of the Teacher

Subject Lesson Plan January- 2020-to March- 2020

Name of the Teacher Dr. Ummed Singh Subject Business Communication Skills
Class B. Com 2nd Paper Section _____

January-2020

Introduction Basic of communication, Seven C's of effective communication, barriers to communication, ethical context of communication

February-2020

Business communication at work place : Letter writing - Components, Layout and process, Email communication, bad news messages, persuasive written communication, memos, notice, agenda and minutes of meeting

March-2020

Report writing : Types of business reports, Structure of reports, short reports, long reports, abstracts and summaries proposals

April-2020

Communication skills : Reading skills, Note making, persuasive speaking, Body Language, ~~Enter~~ Gestures.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

B. Com IVth Sem

Name of the Teacher Dr. Umesh Singh Subject Business Statistics
Paper 1 Section

January-2020

Index numbers : meaning, uses, Types
Methods of indices. Tests of Adequacy.

February-2020

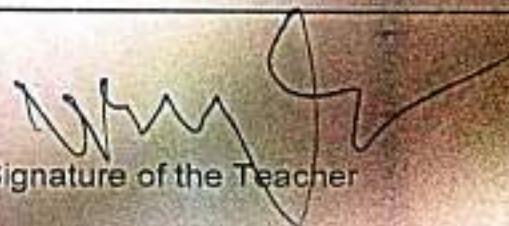
causes of variations in Time series -
Data, Component of Time series and
Decomposition

March-2020

Theory of Probability, Approaches
to define Prob. Bay's Theorem. Addition
and multiplication laws of prob.

April-2020

Prob. Distribution. Binomial, Poisson
and normal distribution.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

B. Com VIth Sem.

Name of the Teacher Dr. Vinod Singh

Subject Accounting for mgt. and

Paper 

Section Financial mgt

January-2020

Scope of finance ; functions, managers Role.
Goals Profit Maximisation vs. Wealth Maximisation
Objective of FM, Finance related disciplines.
Finance planning

February-2020

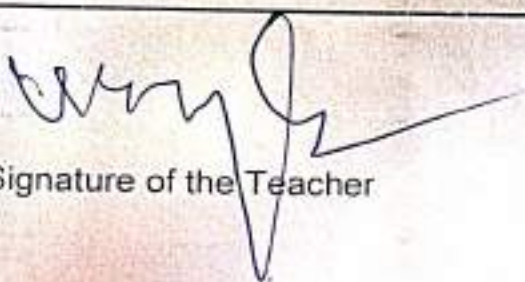
Meaning, nature and planning of working
capital. Permanent and variable working
capital. Balanced working position. determi
nance of working capital, Issues mgt w. capital

March-2020

Significance and determinations of cost of capital
Capitalisation in leverage Analysis. Operating
Financial and Composite. EBIT- EPS
analyses.

April-2020

Relevance of capital structure and
its approaches. Issues in Dividend policy
and its modals.



Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Ashwani Kumar Subject History

Paper History of India C.P.O. ND to P.T.D. Section B.A 2nd Sem

January-2020

Reconstructing and interpreting Medieval India
Establishment and Consolidation under Early Turks
Expansion of Delhi Sultanate under Khaljis and Tughlqs
Disintegration of Delhi Sultanate.

February-2020

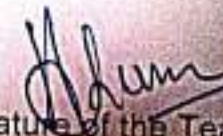
India on the eve of Babar's invasion
Second Afghan Empire
Consolidation and Expansion of Mughal Empire

March-2020

Administrative Institutional Developments
Iqtadari, Mansabdari, Economic aspect during Medieval Period
Socio-Religious life during Medieval Period.

April-2020

Revision


Signature of the Teacher

13.1.2020

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Ashwani Kumar Subject History

Paper History of Haryana Section B.A 4th sem

January-2020

Regional Study: A case of Haryana, Stone Age in Haryana
Harappan Civilization, Towards state formation
Rise of powers during early medieval period

February-2020

Battles and Revolts during medieval period
Battles of Tarain and Panipat and their impact
Political developments in 18th century

March-2020

Political and Social Reaction of British Rule
Freedom Movement in Haryana
Towards freedom

April-2020

Revision

Signature of the Teacher

Ashwani
13.1.2020

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Ashwani Kumar Subject History

Paper Modern World ^{Class} B.A. 6th sem.
^{Section}

January-2020

Merantilism, Agricultural Revolution, Technological
Revolution, Capitalism, Imperialism

February-2020

French Revolution, Liberalism in Britain
Nationalism in Germany and Italy, Russian Revolution
Fascism in Italy, Nazism in Germany

March-2020

Colonialism
World in Crisis
Non - Alignment Movement

April-2020

Revision

Signature of the Teacher

Ashwani Kumar 13.1.2020

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Jitender Kaurshik Subject English
Paper English-1 Section B.Sc. IIrd Sem.

January-2020

- 1 Our civilization
- 2 Q & A Question time
- 3 Translation from Hindi to English

February-2020

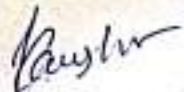
- 4 An Interview with Christian Bernard
- 5 Untouchability and the Caste System
- 6 Precis writing
- 7 Letter Writing

March-2020

- 8 Inhumanization of War
- 9 Seven Types of Gender Inequality

April-2020

- 10 Tests and Revision


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Joginder kumar Subject Sanskrit
Page 1 Class 2nd sem Section

January-2020

Week-Ist Unit Ist

Week-IIth इतवाक्यम् Unit IInd

February-2020

Week Ist Unit IInd ^{द्वितमम्} काशिकाभाष्यं शुकनासोपदेशः

Week-IInd शुकनासोपदेशः

Week-IIIrd Unit Ist एवं इतवाक्यम् Test

Week-IVth Unit IInd शुकनासोपदेशः Test..

March-2020

Week-I Unit 3rd शब्दरूप

Week-II Unit 3rd धातरूप

Week-III Unit 4th छन्दः

Week-IV Test

April-2020

Revision



Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Joginder kumar Subject Sanskrit

Paper B.A. 4th sem Section _____

January-2020

Unit Ist श्रीमद्भगवद्गीता

February-2020

Week-I Unit 2nd रघुवंशमहाकाव्यम्

Week-II Unit 3rd प्रत्यय

Week-III Unit 3rd समास

Week-IV Unit 3rd समास

March-2020

Week-Ist Unit 4th प्रत्याहारसूत्र

Week-II Unit 4th पत्र-लेखन

Week-III I & II Unit Test

Week-IV 3rd & IVth Unit Test

April-2020

Revision



Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Joginder kumar Subject Sanskrit

Paper B. A. 6th sem Section

January-2020

संस्कृत वाङ्मयवहार एवं अभिरामशाकुन्तलम् अंक-5

February-2020

Week-I

अभिरामशाकुन्तलम् अंक-6-क

Week-II

अभिरामशाकुन्तलम् अंक-7

Week-III

अंक-7 एवं प्रश्नोत्तर

Week-IV

Unit 3rd संस्कृत साहित्य की इतिहास (शुभायनः महाकाव्य)

March-2020

Week-I

Unit 3rd भास, कालिदास, वाणभट्ट

Week-II

सुबन्ध, कृष्ण, भवभूति

Week-III

भारवि, माघ, नित्य

Week-IV

भीम हर्ष, अम्बिकावत नास, अलंकार

April-2020

Revision



Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Upender Prasad Subject Psychology

Paper Applied Psychology (B.A. VI Sem) Section ..

January-2020

Week III : Applied Psychology : Meaning, History, Fields and Careers in Psychology.

Week IV : Organizational Psychology : Nature, Scope Objectives and Development.

February-2020

Unit test (II Week) Class Test in I Week and III Week

Week I : Guidance : Objective and Development, Principles

Week II : Types of Guidance, Organization of Guidance, Program

Week III : Counselling : Need, Principles, Special Areas, Types of Couns.

Week IV : Health Psychology : Meaning, Scope, Objective and Concept of Health and Illness.

March-2020

Week I : Psychological Factors in physical illness, Life Style, Stress, Coping

Week II : Forensic Psychology : Psy. and Law, Eyewitness Memory

Week III : Class Test, Statistics : Correlation Concept.

Week IV : Pearson's and Spearman's Corr. Method, Unit Test.

April-2020
Revision of whole syllabus and Tests of Topics.


13.01.2020
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Jitender Kumar Subject Geography

Power Remote Sensing and GIS Section B.A. VIth Sem.

January-2020

Unit → I

① IIIrd week, Jan. 2020 : (i) Introduction to Remote Sensing / Aerial Photography and their advantage.

(ii) Elements of Aerial photographs and their interpretation
(iii) class test.

February-2020

Unit → II

(i) Introduction to Remote Sensing (Ist week, Feb. 2020)

(ii) Types of Imageries and their interpretation to different fields. (iii) class Test. (IIrd week, Feb. 2020)

(iv) Introduction of GIS (v) Application of GIS
March-2020 (IIIrd and IVth week of Feb. 2020) (vi) class test.

Unit - IV

(i) Measurements of central Tendency - Mean, Median, Mode

(ii) Measurements of Dispersion - Mean Deviation, Quartile Deviation, standard σ . (March, 2020) and class test

April-2020

Revision

 13/01/2020
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Sanjay Gupta Subject Income Tax (Commerce)

Page 1 Income Tax Section _____

January-2020

Rebate & Relief of Tax
Assessment of Individual family with
Revision of Semester vth syllabus.

February-2020

Assessment of Firms, Association
of Persons, Body of Individuals, Income Tax
Authorities and Filing of Return of
Income

March-2020

Assessment Procedure, T.D.S,
Advance Payment, Recovery & Refund of Tax
Appeals & Revision and Penalties

April-2020

offences, Tax Planning for Individuals
& Assessment of Companies


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Sanjay Gupta Subject Commerce

Page 1 Composite Accounting Section _____

January-2020

Amalgamation of Companies :-
Amalgamation, Absorption and Reconstruction
(External & Internal Reconstruction)

February-2020

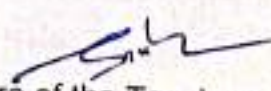
Accounts of Holding Companies
and Internal Reconstruction alongwith
Financial Reporting for financial Institutions,

March-2020

Accounts of Holding Companies
Revision and Liquidation of Companies

April-2020

Accounts of Banking Company and
Revision of Syllabus


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Suresh Kumar Subject Hindi

Class - B.A. I, 2nd Sem Section C+D

January-2020

ध्रुवस्तामिनी नाटक का सार

" " " की पात्र-योजना

" " " की अभिनेयता

February-2020

जयशंकर प्रसाद की नाट्यकला

भारतकाल की परिस्थितियाँ, प्रवृत्तियाँ

सुफी व संत की प्रवृत्तियाँ

भारतकाल : स्वर्णयुग

March-2020

रामकाव्य व कृष्णकाव्य की प्रवृत्तियाँ

भाषा, भाषा के विविध रूप

मानक भाषा की प्रवृत्तियाँ

April-2020

स्वर-व्यंजन, हिन्दी वर्तनी समस्या समाधान

भुलवरे एवं लोकोक्तियाँ


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Suresh Kumar Subject Hindi
Class - B.A. I, 2nd Sem Section C+D..

January-2020

ध्रुवस्तामिनी नाटक का सार
" " " की पात्र-योजना
" " " की अभिनेयता

February-2020

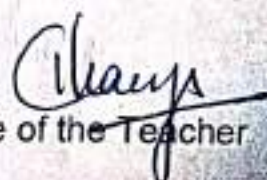
जयशंकर प्रसाद की नाट्यकला
भारतकाल की परिस्थितियाँ, प्रवृत्तियाँ
सूफी व संत की प्रवृत्तियाँ
भारतकाल : स्वर्णयुग

March-2020

रामकाव्य व कृष्ण काव्य की प्रवृत्तियाँ
भाषा, भाषा के विविध रूप
मानक भाषा की प्रवृत्तियाँ

April-2020

स्वर-व्यंजन, हिन्दी वर्तनी समस्या समाधान
भुवनेश्वर एवं लोकोपि


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Suresh Kumar Subject Hindi

Roll No. Class B.A. II 4th Sem Section (B) ..

January-2020

प्रेमचन्द व जयशंकर प्रसाद का साहित्य परिचय

ईदगाह कहानी का सार व सप्रसंग व्याख्या

पुरस्कार कहानी का सार व सप्रसंग व्याख्या

February-2020

साहिबानंद हीरानंद वात्स्यायन 'अज्ञेय', व

मोहम राफेश, व मैत्रेयी पुष्पा का साहित्यिक परिचय

गैंग्रीन, मंलबे का मालिक व फैसला कहानी

का सार व सप्रसंग व्याख्या।

March-2020

ओमप्रकाश वाल्मीकि का साहित्यिक परिचय

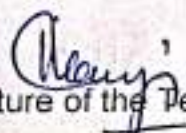
पच्चीस-चौक डेढ़ सो कहानी का सार व सप्रसंग व्याख्या

आधुनिक काल की परिस्थितियाँ, आरतेन्दु पूर्व हिन्दी गद्य

April-2020

हिन्दी कहानी, उपन्यास, नाटक, एकांकी का

उद्भव और विकास, नई कहानी का विकास एवं उद्भव


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Suresh Kumar Subject Hindi

Paper Class - B.Sc. II (Hindi) Section ..

January-2020

महादेवी वर्मा -

सूर्यकिशोर त्रिपाठी निराला -

प्रेमचन्द -

February-2020

जयशंकर प्रसाद

सुमित्रानन्दन पन्त, सुभद्रा

रविन्द्रनाथ टैगोर, महात्मा गाँधी

March-2020

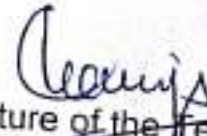
राजेन्द्र बाबू

जवाहर भाई, सत राजर्षि व निबंध लेखन

April-2020

अर्द्ध-सरकारी पत्र

वैज्ञानिक शब्दावली


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Class - M. A. I, 2nd sem

Name of the Teacher Dr. Suresh Kumar Subject Hindi

Paper हिन्दी उपन्यास Section ..

January-2020

उपन्यास : अवधारणा, उद्भव और विकास
प्रेमचन्द युगीन हिन्दी-उपन्यास और भारतीय-परिवेश
न

February-2020

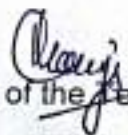
प्रेमचन्द परवर्ती उपन्यास, हिन्दी उपन्यास और
विचारधारा, देश विभाजन और हिन्दी उपन्यास,
समकालीन हिन्दी उपन्यास की प्रवृत्तियाँ।

March-2020

रूढ़ी उपन्यास लेखन, भ्रमणशीलता और हिन्दी
उपन्यास। गोदान - प्रेमचन्द

April-2020

रागादरबारी : श्री लाल शुक्ल
मैला आँचल :- फणीश्वर नाथ रेणु
कठ गुलाब : मृदुला गार्ग


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Class - M.A. I, 2nd Sem

Name of the Teacher Dr. Suresh Kumar Subject Hindi

Paper आधुनिक हिन्दी कविता - 2 Section ..
1936-1967

January-2020

~~छायावादी काव्य का राजनीतिक, सामाजिक एवं सांस्कृतिक
परिवेश। प्रगतिवादी काव्य और प्रमुख कवि~~

February-2020

- ~~प्रगतिवाद की प्रवृत्तियाँ एवं सौन्दर्य बोध। प्रयोगवाद
तारसप्तक का महत्व, युगबोध, सौन्दर्यबोध और प्रयोगधर्मिता~~
- ~~नई कविता और प्रमुख कवि~~
- ~~नई कविता की प्रवृत्तियाँ, नई कविता के आन्दोलन~~

March-2020

~~नई कविता और युग बोध, रामधारी सिंह दिनकर
(उर्वशी हृलीयु सर्ग)। अश्वमेध-असाध्य बीणा, कितनी नावों में
कितनी बार। मुक्तिबोध :- ब्रह्मराक्षस, भूल-गलती।~~

~~April-2020 भवानी प्रसाद मिश्र :- गीत फरोश, गाँव, सतपुड़ा के
जंगल। नागार्जुन - अकाल और उसके बाद, लखन को घिरते देखा।
केदारनाथ सिंह - बनारस, राजकमल चौधरी - मुक्ति प्रसंग
जीवन्त वर्मा - मगध~~

Chaiya
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

M. A. II 4th Sem

Name of the Teacher Dr. Suresh Kumar Subject Hindi

Paper विश्लेष्य स्वतन्त्र (बनौतिया) Section ..

January-2020

कबीर का समय

कबीर की प्रासंगिकता

कबीर का रहस्यवाद

कबीर के राम

February-2020

कबीर की क्रांति-चेतना

कबीर का स्त्री-विषयक चिंतन

कबीर की मानवतावादी दृष्टि

कबीर की भाषा

March-2020

कबीर ग्रंथावली : भूषम सुन्दर दत्त

पदसंख्या : - 1, 8, 14, 16, 21, 23, 24, 34, 39, 41, 42, 43, 49, 57,
59, 60, 61, 64, 80, 89, 91, 92, 111, 117, 129, 132, 136, 139, 153,
156,

April-2020

रमैनी सम्पूर्ण

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Class- M.A II 4th Sem

Name of the Teacher Dr. Suresh Kumar Subject Hindi

Paper पाश्चात्य काव्य शास्त्र Section ..

January-2020

प्लेटो :- काव्य सिद्धान्त

अरस्तू :- नाट्य सिद्धान्त

February-2020

अरस्तू :- विरेचन-सिद्धान्त

लोजाईन्स :- उदात्त-सिद्धान्त

कालरिज :- कल्पना और फैंटेसी सिद्धान्त

वर्ड्सवर्थ :- काव्य भाषा का सिद्धान्त

March-2020

क्रोचे - अभिव्यक्तिवाद

आर्च. ए. रिचर्ड्स - मूल्य एवं सम्प्रेषण का सिद्धान्त

मैथ्यू अर्नाल्ड :- आलोचना का स्वरूप और प्रक्रम

April-2020 टी. एस. इलियट :- निर्वैयक्तिकता का सिद्धान्त

नयी समीक्षा

आधुनिकता और उतर-आधुनिकता

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher SUNIL KUMAR Subject Phy. Edu.
Paper Phy. Edu. Section BA VI. SEM

January-2020

Unit I :-> Track (need, Importance & characteristics of Track. organization and conduct of tournament.

February-2020

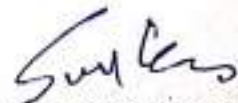
Unit II, III :-> Sports Management (meaning Importance and Scope of sports Mgt. Sports Injuries (Prevention of sports injury and rehabilitation. Role of physical education.

March-2020

Unit IV :-> Professional Preparation (meaning definition and Significance of profession in physical education.

April-2020

Revision.


Signature of the Teacher

Name of the Teacher SUNIL KUMAR Subject Phy. Edu.
Paper Phy. Edu. Section BA IV SEM

January-2020

Unit I :- Physical education meaning, importance, Aim and objectives.

February-2020

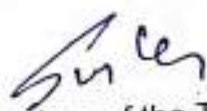
Unit II :- Physical Fitness Meaning and components. (speed, strength, endurance, flexibility, Agility).

March-2020

Unit III, IV :- yogic Kaiyas :- Meaning and objectives and types of ashtikary
Unit IV camping (meaning and types)

April-2020

Revision


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Rattan Singh Subject English
Paper 1 Section P.A 1st.. A+D
Som 2nd

January-2020

Pigeons at Day-Breeze

Textual Exercises

With The Photographer

Textual Exercises

February-2020

The Journey

Textual Exercises

The Refugee

Textual Exercises

March-2020

~~The~~ Bellows For the Bullock

Porch Light

The child Textual Exercises

April-2020 The Blind Dog

Grammar and composition

Rattan
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Rattan Singh Subject English

Paper 1 Section B A II. A+C

January-2020

Sem - 4th

The Envoy

The Swan Song

Textual Exercises

February-2020

The monkey paw

Before Breakfast

Textual exercises

March-2020

The sleepwalkers

Textual Exercises

April - 2020

Non Textual Topics

Translation, Re Translation etc -

Rattan
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Rattan Singh Subject English

Paper _____ Section B A III A

Sem VI

January-2020

The Merchant of Venice

Act 1

Act. II

February-2020

The Merchant of Venice

Act- III And IV

Grammar

March-2020

The Merchants of Venice

Ac/ - II

April-2020 Grammar and Composition

Rotten
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher MULTAN SINGH Subject PHY-EDU -

Class BA-I Ind Sem Paper Theory & Practical Section

January-2020 Unit-I

Meaning importance of Health and Health Education in Modern Society. Guiding Principle of Health Education

Practical :- Kabaddi & Basketball Rule & Practice.

February-2020 Unit II -

Importance of Light and Cross Ventilation at School & Home,

Ho Meaning of Personal Hygiene and its importance.

Personal Hygiene Reference :- Teeth, Ears, Skin, Nail, Fingers.

Practical :- Football & Wrestling Rule & Practice.

March-2020 Unit -III.

Meaning of Communicable Disease, Mode of Transmission &

Prevention of the Following :- HIV/AIDS, Hepatitis-B-C, Malaria

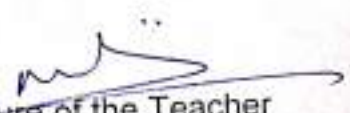
Tuberculosis, Cholera.

Practical :- Athletics, Discus, Relay, Triple Jump Rule & Practice

April-2020 Unit IV -

Meaning & Types & Aims of Yoga, Surya Namaskar & Asan

Practical :- Yogic Kriya. Practice


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher MULTAN SINGH Subject PHY-EDU -

Class BA-I Ind Sem Paper Theory & Practical Section

January-2020 Unit-I

Meaning importance of Health and Health Education in Modern Society. Guiding Principle of Health Education

Practical :- Kabaddi & Basketball Rule & Practice

February-2020 Unit II -

Importance of Light and Cross Ventilation at School & Home,

Ho Meaning of Personal Hygiene and its importance.

Personal Hygiene Reference :- Teeth, Ears, Skin, Nail, Fingers.

Practical :- Football & Wrestling Rule & Practice.

March-2020 Unit -III.

Meaning of Communicable Disease, Mode of Transmission &

Prevention of the Following :- HIV/AIDS, Hepatitis-B-C, Malaria.

Tuberculosis, Cholera.

Practical :- Athletics, Discus, Relay, Triple Jump Rule & Practice

April-2020 Unit IV -

Meaning & Types & Aims of Yoga, Surya Namaskar & Asan

Practical :- Yogic Kriya. Practice


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher DR. ASHOK KUMAR Subject Mathematics (Number Theory and Trigonometry)

Paper Number Theory and Trigonometry (1st Paper) Section class: B.A./B.Sc. 2nd Sem

January-2020 Section I

Divisibility, G.C.D., L.C.M., Primes, Fundamental Theorem of Arithmetic, Linear Congruences, Fermat's theorem, Wilson's theorem and its converse, Linear Diophantine equations in two variables, Assignments and class Test (Monthly)

February-2020 Section - II

Complete Residue System and Reduced System modulo m . Euler's function. Euler's Generalization of Fermat's theorem. Chinese Remainder Theorem. Quadratic residues. Legendre Symbols, Lemma of Gauss; Gauss Reciprocity law. Greatest integer $[x]$. The number of divisors and the sum of divisors of a natural number n .

March-2020

Section II & Section - III

The functions $d(n)$ and $\sigma(n)$. Moebius function and Moebius Inversion formula. De-Moivre's theorem and its applications. Expansion of trigonometrical functions. Direct circular and hyperbolic functions and their properties. Assignments and class Test (Monthly)

April-2020

Section - IV

Inverse circular and hyperbolic functions and their properties, logarithm of a complex quantity. Gregory's series. Summation of Trigonometric series and revision of Section I to IV. Assignments and class Test (Monthly).

Ashok Kumar

Signature of the Teacher

DR. ASHOK KUMAR
Assoc. Prof (Maths.)
B.L.S.S. College, TOSHAM

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher DR. ASHOK KUMAR Subject Mathematics

Paper Ordinary Differential Equations Section _____

Paper - Maths - IInd.

class : B. A. / B. Sc. 2nd Sem.

January-2020

Section - IIId

linear differential equations of second order : Reduction to normal form, Transformation of the equation by changing the dependent variable / the independent variable, Assignments.

February-2020 Section IIIId

Solution by operators of non-homogeneous linear differential equations, Reduction of order of a differential equation, Method of variation of parameters, Method of undetermined coefficient, Assignments and Monthly class Test.

March-2020

Section IVth

Ordinary simultaneous differential equations. Solution of simultaneous differential equations involving $x \frac{d}{dx}$ or $t \frac{d}{dt}$ etc. Simultaneous equation of the form $\frac{dx}{P} = \frac{dy}{Q} = \frac{dz}{R}$, Assignments

April-2020

Section IVth

Total differential equations. Conditions for $Pdx + Qdy + Rdz = 0$ to be exact. General method of solving $Pdx + Qdy + Rdz = 0$ by taking one variable constant. Method of auxiliary equation, Assignments and Monthly class test. Revision of syllabus.

Ashok Kumar

Signature of the Teacher

DR. ASHOK KUMAR

Assoc. Prof. (Maths)

B L T S College, TOSHAM.

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher DR. ASHOK KUMAR Subject Mathematics
Paper Vector Calculus Section —
Paper Maths - III Class: B.A. / B.Sc. 2nd Sem.

January-2020 Section-I
Scalar and vector product of three vectors, Product of four
vectors, Reciprocal vectors, Vector differentiation, Scalar valued
point functions, Vector valued point functions, derivative
along a curve, Directional derivatives, Assignments and
Monthly class Test.

February-2020 Section-II
Gradient of a scalar point function, geometrical interpretation
of grad of character of gradient as a point function, Divergence
and curl of a vector point function, characters of $\text{div } \vec{F}$ and $\text{curl } \vec{F}$
as point function, examples, Gradient, divergence and
curl of sums and product and their related vector
identities, Laplacian operator. Assignments and
Monthly class Test.

March-2020 Section-III
Orthogonal curvilinear co-ordinates, Conditions for
orthogonality, Fundamental triad of mutually orthogonal
unit vectors, Gradient, divergence, curl and Laplacian
operators in terms of orthogonal curvilinear co-ordinates
cylindrical co-ordinates, spherical co-ordinates, Assignments
and Monthly Test.

April-2020 Section-IV
Vector Integration, line integral, surface integral,
Volume integral, Theorem of Gauss, Green, Stokes and
problems based on these & Revision of syllabus. Assignments,
Monthly Class Test.

Ashok Kumar

Signature of the Teacher

(DR. ASHOK KUMAR)
Assoc. Prof. (Maths)
BLTS College, TSNAM.

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher DR. ASHOK KUMAR Subject Mathematics

Paper Vector Calculus Section —
Paper Maths - IIIrd Class: B.A. / B.Sc. 2nd Sem.

January-2020 Section-I

Scalar and vector product of three vectors, Product of four vectors, Reciprocal vectors, Vector differentiation, Scalar valued point functions, Vector-valued point functions, derivative along a curve, directional derivatives, Assignments and Monthly class Test.

February-2020 Section-II

Gradient of a scalar point function, geometrical interpretation of grad ϕ , character of gradient as a point function, Divergence and curl of a vector point function, characters of $\text{div } \vec{F}$ and $\text{curl } \vec{F}$ as point function, examples. Gradient, divergence and curl of sums and product and their related vector identities, Laplacian operator. Assignments and Monthly class Test.

March-2020 Section - III

Orthogonal curvilinear co-ordinates, Conditions for orthogonality. Fundamental tetrad of mutually orthogonal unit vectors, Gradient, divergence, curl and Laplacian operators in terms of orthogonal curvilinear co-ordinates, cylindrical co-ordinates, spherical co-ordinates, Assignments and Monthly Test.

April-2020 Section - IV

Vector integration, line integral, surface integral, volume integral, Theorem of Gauss, Green, Stokes and problems based on these & Revision of syllabus. Assignments Monthly class Test.

Ashok Kumar

Signature of the Teacher

(DR. ASHOK KUMAR)

Assoc. Prof. (Maths)

B L T S College, TOSHAM.

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher DR. ASHOK KUMAR Subject Mathematics

Paper Dynamics Section —
Inter-Maths - III ad Class: B. A./B.Sc. 6th Sem.

January-2020 Section-I

Velocity and acceleration along radial, transverse and
normal, tangential directions, Relative velocity and
acceleration, Simple harmonic motion, Elastic strings.
Assignments and Monthly Test class.

February-2020 Section-II

Mass, Momentum and force. Newton's laws of motion, Work,
power and Energy. Definition of conservative forces and
Impulsive forces. Assignments and Monthly class Test.

March-2020 Section-III

Motion on smooth and rough plane curves.
Projectile motion of a particle in a plane. Vector angular
velocity. Assignments and Monthly class Test.

April-2020 Section-IV

General motion of a rigid body, Central orbits, Kepler's
laws of motion. Motion of a particle in three dimensions.
Acceleration, in terms of different co. ordinate systems.
Revision of Syllabus. Assignments and Monthly Test class

Ashok Kumar
Signature of the Teacher
DR. ASHOK KUMAR
Assoc. Prof (Maths)
BLS College, TOSHAM.

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher DR. ASHOK KUMAR Subject Mathematics

Paper Real and Complex Analysis Section —
Paper Maths Ist

Class: B.A./B.Sc. 6th Sem.

January-2020 Section-I

Jacobians, Beta and Gamma functions, Double and Triple Integral, Dirichlet's principle integrals, Change of order of integration in double integrals, Assignments, Monthly Test class.

February-2020 Section-II

Fourier series, Fourier expansion of piecewise monotonic functions, properties of Fourier Coefficients, Dirichlet's conditions, Parseval's identity for Fourier series, Fourier series for even and odd functions, Half Range series, change of intervals. Assignments and Monthly Class Test.

March-2020 Section-III

Extended Complex plane, Stereographic projection of complex numbers, continuity and differentiability of complex functions, Analytic functions, Cauchy-Riemann equations, Harmonic functions. Assignments and Monthly class Test.

April-2020 Section-IV

Mappings by elementary functions, Translation, Rotation, Magnification and Inversion, Conformal mappings, Mobius transformations, fixed points, cross ratio, Inverse points and critical mappings, Assignments and Monthly Test.

Ashok Kumar

Signature of the Teacher

DR. ASHOK KUMAR

Assoc. Prof (Maths)

BLTS college, TOSHAM

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher DR. ASHOK KUMAR Subject Mathematics

Paper Programming in C and Numerical Methods Paper-Maths III Section —

January-2020 Section-I

Class: B.A./B.Sc 4th Sem.

Programmer's model of a computer, Algorithms, Flow charts, Data types, operators and expressions, Input/output functions, Assignments.

Monthly Class Test.

February-2020 Section-II

Decision control structure: Decision statements, logical and conditional statements, Implementation of loops, Switch Statement & Case control structures, Functions, Preprocessors and Arrays. Assignments and Monthly class Test.

March-2020 Section-III

Strings: Character Type Data, Standard String handling functions. Arithmetic operations on character. Structures: Definition, Using structures, use of structures in Arrays and Arrays in Structures, pointers: pointer Data type, pointers and Arrays, pointers and functions. Solution of Algebraic and Transcendental equations: Bisection method, Regula falsi method, Secant Method, Newton-Raphson's method, Assignments and Monthly Test Class.

April-2020 Section III & Section IV

Newton's iterative method for finding p th root of a number, order of convergence of above methods, Simultaneous linear algebraic equations: Gauss-elimination method, Gauss-Jordan Method, Triangularization method (LU decomposition method), Crout's method, Cholesky decomposition method, Iterative Method, Jacobi's method, Gauss-Seidel's method, Relaxation method, Revision of Syllabus. Assignments and Monthly Test class.

Ashok Kumar

Signature of the Teacher

DR. ASHOK KUMAR

Assoc. Prof. (Maths)

B.L.S.S. College, TOSHAM

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anu Bala Subject History
Class M.A. Previous Paper Archive and History Section A

January-2020

Unit -I → The archive as an institution of social memory
Memory, history and experience, Narrative and
History, The colonial archive, Class test,
Seminar, Assignment.

February-2020

Unit 2 : Explore significance of records to individuals
and organizations, Analyze the changing definitions of
records as information or evidence Identify the basic concepts
and theories influencing archives. Class test, revision

March 2020

Unit 3 Writing and documentation Law, evidence and
the archive, Collecting, Taxonomy, Objectification,
Class test, Seminar, Revision, Assignment.

April-2020

Unit 4 Identify the specific challenges of managing
electronic records, Articulate the role of archivists
and records managers in society. Revision.

Anu
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anita Subject History
Class M.A. Review Paper Environmental History Section A

January-2020

Unit 1 : What is Ecology, scope of ecology. Ecology science or art, its relation to other subjects. Terminology of Ecology. Approaches to Ecology. Class test & Seminar, Assignment.

February-2020

Unit 2 What is Environment, Component of Environment Living and Non-Living Components, Management of Conservation of Living and Non-Living Resources of Environment for Sustainable Development. Class test and Assignment

March-2020

Unit 3 Indus Valley Civilization: planned organizations Drainage system, Watershed management and Waste management Worship of different Components of Nature. Class test

April-2020

Unit 4 : Exploitation of Natural Resources for ecology Development in Early Medieval India and Delhi sultanate. Class test, Seminar, Revisions.

Anita
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher AnuBala Subject History
Class M.A Praveen Paper Iron Age Civilization Section A

January-2020

Unit 1 Beginning of Iron Age in the world, Problems and issues. Debate on the advent of iron and its implementation, Grandhasa Grave culture, Class test, Seminar

February-2020

Unit 2 The role of Iron technology in Ancient India. Megalithic culture of India: Origin, distribution and Material remains. Class test, Seminar, Assignment

March-2020

Unit 3 Greek Civilization
Early civilization in the Aegean, Greek City states (Athens and Sparta): Political, Social and economic life; Greco-Persian wars, Class test, Seminar

April-2020

Unit 4 Roman Civilization
Roman Republic and concept of Empire. Social and economic life, Science and technology. Revision.

Signature of the Teacher Anu

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anita Subject History
Class M.A. Previous Paper Diaspora in Colonial India Section A

January-2020

Unit 1: The concept; origin; evolution and contemporary usage; Diasporic identities and their nature; Categories of Indian Diaspora; People of Indian Origin and NRIs; Class test, Seminar, Assignment.

February-2020

Unit 2 Different stages of colonial Migration: Emigration to British Plantation colonies Fiji; Surinam; Guyana; Mauritius; Malaysia; Trinidad and South Africa; Class test, Assignment, Revision

March-2020

Unit 3 Migrations in the 20th Century: Indian Diaspora in Western Countries (USA, UK and Canada) Migration to Canada and the USA in late 19th and 20 Centuries Class test and Revision

April-2020

Unit 4 Indian Diaspora, Social and Economic Positions Indian Diaspora with reference to their Social Status (Race and Ethnicity) Revision.

Anita
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anita Subject History
Class M.A. Previous Paper Nationalism: Theories and Historical Elploration Section A

January-2020

Unit I States and Nation: definitions, types.
Civic nationalism: France and the United States
Ethnic / Romantic nationalism: Germany.
Class test, Assignment, Seminar

February-2020

Unit II The nation as a Historically constructed entity:
the invention of tradition and the imaginig of Community
Modern Western theorists: Stalin, Weber, Gellner, Hobsbawn
Class test, Seminar, Revision

March-2020

Unit III Non-Western nation states and the templates
of western nationalism. Turkey and Japan as
derivative nationalism. Class test, Seminar

April-2020

Unit 4 Indian nationalism as the exception to the
Aldersonian rule, RSS, Hindu Mahasabha.
Post-Colonial theorists: Revision, Class test

Anita
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anu Bala Subject History
Class M.A. Previous Paper History of U.S. A. AD. Section A

January-2020

Unit I The new territories in the west; expansion in Texas, the war with Mexico; Moral and ideological tensions; Growth of sectionalism, causes and consequences of the Civil War, Reconstruction of the South, Class test, Seminar

February-2020

Unit 2 Emergence as a World Power: War with Spain; causes and results; decision for economic imperialism; Overseas Expansion: The Caribbean and the Pacific, Class test, Seminar and Revision

March-2020

Unit 3 Populist and Progressive Movements: Leaders and achievements, 1890-1917; The onset of Great Depression: Causes and Impact. Class test, Assignment, Seminar

April-2020

Unit 4 The Second World War: Issue of neutrality, the U.S.A. at war, planning a new World order, balance of terror, Cold War, Origins, diplomacy, Revision, Class test

Anu
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Pushkar Dutt Sharma Subject Mathematics

Class M.Sc. Paper Topology

Section _____

(2nd sem)

January-2020

Definition and examples of topological spaces
closed set, closure, dense subset, interior, exterior
and boundary points of a set, Accumulation points and
derived sets, Bases and sub-bases. (Unit 1/2)

February-2020

Continuous functions and homeomorphism,
Connected spaces, locally connected spaces.

Unit (1/2, II)

Compactness, Compact set, Basic Properties of Compactness

March-2020

First and Second Countable spaces, Lindelöf's theorem
separable spaces, separation axioms T_0, T_1 and T_2
spaces, Complete regularity and Complete normality
 $T_3\frac{1}{2}$ and T_5 - spaces, Equivalence of Compactness

April-2020

Baire Category Theorem for locally Compact
Hausdorff spaces, Regular and Normal spaces.

Pushkar Dutt Sharma
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher PUSHKAR DUTTA SHARMA Subject Mathematics

Class M.Sc. Paper Advanced Fluid Dynamics Section _____
(4th Sem)

January-2020

Irrrotational motion in two-dimensions, Complex Velocity potential, Milne-Thomson circle theorem
Two-dimensional sources, doublets and their images.
Two-dimensional irrotational motion produced by motion of circles.

February-2020

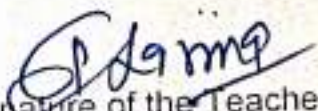
Vortex motion, Kelvin's proof of permanence, Spiral Vortex, vortex doublet, Image of a vortex, single and double infinite rows of vortices, Kármán vortex sheet.

March-2020

Relations between Rectangular Components of Stress, Gradient of Velocity, Theory of Lubrication, Flow through tubes of uniform cross-section in form, unsteady flow over a flat plate.

April-2020

Dynamical Similarity, Inspection analysis, Reynolds number, Boundary layer equation in two dimensions
Boundary layer thickness, displacement thickness, momentum thickness.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Pushkar Dutta Sharma Subject Mathematics

Class M.Sc. Paper Statistical Inference Section _____
(4th sem)

January-2020

Estimation: Introduction to the problem of estimation, Concept of Unbiasedness, Consistency, Efficiency Methods of Estimation.

February-2020

Statistical hypothesis, Critical region, size and power of a test, most powerful test, Likelihood Ratio Test, Elements of decision problem.

March-2020

Concept of Non-Parametric and Distribution Order statistics, their marginal and joint distribution Distributions of median and Range

April-2020

Non-Parametric Test: Ordinal sign test, Wilcoxon signed Rank Test, Goodness of fit problem: Chi-square test, Mann-Whitney U test, Median Test.

P. Sharma

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher PUSHPAR DUTTA SHARMA Subject Mathematics

Class BSc/BA Paper Special Functions And Section _____
4th sem Integral Transforms

January-2020

Series solution of differential Equations;
Definitions of Beta and Gamma function, Bessel
Equation and its solution.

February-2020

Bessel's function and their properties
Orthogonality of Bessel's function, Legendre and
Hermite differential equations and their solutions.
Rodriguez's Formula for Legendre and Hermite
Polynomials

March-2020

Laplace Transforms, Linearity of the Laplace
Transforms, Shifting theorem, Convolution
Theorem, Inverse Laplace Transforms

April-2020

Solution of ordinary differential equations
using Laplace Transform; Fourier Transforms;
Fourier transform of derivatives, solution of
differential equations using Fourier transforms.

Signature of the Teacher

P. Sharma

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Pushkar Dutta Singh Subject Mathematics

Class BSc./BA Paper Linear Algebra

Section _____

January-2020

Vector Spaces, Subspaces, Sum and Direct
Sum of Subspaces, Linear Span, Linearly independent
and dependent subset of a vector space.

February-2020

Finitely Generated Vector Space, Existence
Theorem for basis of a finitely generated vector
space, Quotient space and its dimension.

March-2020

Algebras of Linear Transformation, singular and
non-linear Transformation, matrix of Linear
Transformation, Change of basis, Eigen values
and Eigen vectors of linear transformation.

April-2020

Inner Product space, Cauchy-Schwarz inequality
Orthogonal vectors, Adjoint of a linear transformation
and its properties, Unitary linear transformation

P. Singh
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Monu Subject Organic Chemistry

Class MSc.Ist Paper Reaction mechanism & rearrangements Section 2nd sem.

January-2020

Unit I Aromatic Electrophilic Substitution: The arenium ion mechanism, orientations and reactivity, energy profile diagrams. Ortho / para ratio, ipso attack, Dowdson coupling, Gattermann Koch reaction, Vilsmeier-Haack reaction

February-2020

Aromatic Nucleophilic Substitution: $ArSN^1$, $ArSN^2$, Benzyne and SN^1 mechanism. Leaving group, attacking nucleophile, Smiles rearrangement
Unit -II Elimination Reaction: $E1$, $E2$, $E1cB$ mechanism, orientation effect, Saytzeff and Hoffmann Rules, Addition to C=C Multiple bonds.

March-2020

Addition to Carbon-Hetero Multiple bonds: Reactivity of Carbonyl compounds towards addition. Wittig reaction, Mechanism of metal hydride reduction. Mechanism of condensation - Aldol, Knoevenagel, Claisen, Mannich, Robinson, Unit -IV

April-2020

Revision, minor test

Monu

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Monu Subject Organic chemistry
Class M.Sc. final Paper Heterocyclic chemistry and Disconnection Approach Section 1st sem.

January-2020

Unit-I Replacement and Systematic Nomenclature of monocyclic, fused ring, bridged heterocyclic system, Aromatic heterocycles: classification Aromaticity, bond length, $^1\text{H-NMR}$, resonance energy tautomerism, Non-aromatic heterocycles. Unit test

February-2020

Small ring heterocycles :- Three membered & four membered heterocycles. Reaction of aziridines, oxiranes, azetidines.
Unit-II Methods of synthesis, Reaction including mechanism of five membered 1,2 and 1,3 heterocycles, by s-triazole, imidazole, oxazole, thiazole, their base character

March-2020

Method of synthesis & Reaction of purines, pyrimidines. Unit test
Unit-III :- Disconnection Approach :- An introduction of synthesis, disconnection approach, functional group interconversion, one group C-X & two group C-X disconnection, one group C-C disconnections, amine synthesis

April-2020

Unit-IV Two group C-C disconnection- 1,3 and 1,5-diffused and fused compound, Domino Reaction - Principle of protection of alcoholic, amino, carbonyl and carboxylic group. Synthesis of Morphine, Longifolene, Juvabione and its relative merits and demerits, Revision, Minor test

Monu
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Monu Subject Organic chemistry

Class M.Sc. final Paper Advanced Organic Synthesis and Organic Materials Section 4th Sem.

January-2020

Unit-I:- Organocatalysis in organic synthesis: Introduction, Enamine, Aldol and Mannich type Rxn, Iminium catalysis, cycloaddition Rxn, 1,4 addition Rxn, transfer hydrogen, Heterogeneous catalysis - Chiral phase transfer catalysis, MBH Rxns, Organocatalytic oxidation and reduction Rxns
Unit test

February-2020

Unit-II Multicomponent Rxn:- Mechanism and Synthetic application of Ugi, Passerini, Biginelli and Mannich Rxns
Metathesis: Grubbs 1st and 2nd generation catalysis
ROM, mechanism and application, Unit test

March-2020

Unit-III

Asymmetric Synthesis:- Enantiomer-excess, % enantioselectivity, % diastereomeric excess, % diastereoselectivity. Classification of asymmetric Rxn @ Substrate control asymmetric synthesis & Nucleophilic @ chiral auxiliary @ reagent @ chiral catalyst and Noncovalent

April-2020

Unit-IV

Organic Materials:- Molecular electronics: molecular material for electron and molecular scale electronics, piezoelectric and pyroelectric organic materials, organic ferromagnets, molecular electronic logic and architectures.
Revision, Minor test

Monu

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Monu Subject Organic chemistry
Class B.Sc Ist ^{year} Paper Organic chemistry Section Ind Sem.

January-2020

Unit Ist :- Alkene :- Nomenclature of alkene, Mechanism of dehydration of alcohol's and alkyl halides :- Saytzeff Rule, Hoffmann, Physical properties and stability of alkene

February-2020

Unit 'I' Markownikoff's rule, hydroboration-oxidation, Ozonolysis, hydration, hydroxylation and oxidation with KMnO₄

Unit -II Arenes and Aromaticity :- Huckel rule, aromaticity of compound, halogenation, sulphonation, Friedel Crafts Rn, Energy profile diagram

March-2020

Unit -III Dienes and Alkynes :- Nomenclature and classification of dienes, Structure of butadiene, Diels - Alder Rn, nomenclature, structure and bonding in alkynes Mechanism of electrophilic and nucleophilic addition rsn, hydroboration oxidation of alkynes

April-2020

Unit -IV Alkyl and Aryl Halides :- Nomenclature and class of alkyl halides, Mechanism and stereochemistry of nucleophilic substitution Rsn, Relative reactivities of alkyl halides, allyl, vinyl and aryl halides
Revision, Minor test

Monu

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Monu Subject Inorganic chemistry

Class 3rd year Paper Inorganic chemistry Section 4th sem.

January-2020

Chapter 1st :- chemistry of f-block elements :-

Lanthanides :- Electronic conf., oxidation, magnetic properties, colour, ionic radii and lanthanides contraction, lanthanides separation
unit test

February-2020

Actinides :- General characteristics of actinides, chemistry of separation of Np, Pu, Am, from uranium, transuranic elements, comparison of properties of Lanthanides and actinides with transition elements.
unit test

March-2020

Section B :- Theory of Qualitative and Quantitative Analysis
chemistry of analysis of various groups of basic and acid radicals, identification of acid radicals in typical combination, chemistry of influence of acid radicals.

April-2020

Basic Radicals, common ion effect, solubility product, theory of precipitation, co-precipitation, post precipitation, purification of precipitates: Division, Minor test

Monu

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Monu Subject Organic chemistry

Class B.Sc. 3rd year Paper organic chemistry Section 6th sem.

January-2020

Section - A

Organic Synthesis :- Endates :- Acidity of α -hydrogens, alkylation of diethyl malonate and ethyl acetoacetate. Synthesis of ethyl acetoacetate unit test

February-2020

Heterocyclic Compound :- Pyrrole, furan, thiophene and pyridine and their comparison of basicity of pyridine, piperidine, pyrrolidine. Preparation and Rea of indole, quinoline and isoquinoline, Strecker synthesis, Bischler-Napieralski synthesis unit test

March-2020

Section B
Amino acids, peptides and Proteins :- classification of amino acids - Acid base behaviour, isoelectric point, electrophoresis structure and nomenclature of peptides and proteins, peptide synthesis solid-phase peptides, structure of peptides primary and secondary structure.

April-2020

Synthetic polymers :- Addition or chain growth polymerisation. Free radical vinyl polymerisation, Ziegler-Natta polymerisation. Step growth polymerisation, Polyesters, polyamides, phenols. Revision, Minor test

Monu

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Vinod Kumar Subject E-commerce

Paper 19 MC - 204 Section M.com (Psc)

January-2020

→ Meaning and concept of e-commerce,
Electronic Payment System and e-Security,
Tools, Bhim, UPI, Paytm, google pay etc.

February-2020

E-marketing, E-Auction, E-Ticketing,
Role of e-broker & Broker based Services,
Network place vs. Market place.

March-2020

Digital Economy. Concept, Major character-
istics. Impact of digital, state of e-commerce
in India.

April-2020

Revision of whole syllabus.

Vinod Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Vinod Kumar Subject Computer Fundamentals

Paper: _____ Section BA Ist A, B, C, D

January-2020

Fundamental of Computer, Model of digital computer, Input/output devices. Application Area of computer science. Advantages & Disadvantage.

February-2020

S/W concept, Types of S/W. Role of S/W. operating system. Types of operating system. Concept of CUS & CUS. Translates and system Utilities.

March-2020

Introduction to Windows. My computer, Recycle bin, My document and Internet explorer icon. control panel, desktop, Task bar and some

April-2020: → MS-Excel and Revision ^{Other feature} of whole syllabus

Vinod Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Vinod Kumar Subject VB & Software Engg.
Paper 6.1, 6.2, 6.3 Section Bsc 6th sem

January-2020

- (6.1) Unit I Introduction to VB: menu bar, tool bar, Properties form design, form Payout, Event driven language.
- (6.2) Unit I :-> ~~Introduction to VB~~ ~~data of information~~ ~~slw and slw engg.~~ ~~slw project, slw crisis.~~
SLC & Modeler.

February-2020

- (6.1) Unit II :-> Basic of Programming, Variables, var types, scope & lifetime variable. All operators. Msg box, Input box, Print statement.
- (6.2) Unit II :-> slw requirement Analysis, object oriented analysis. DFD, ER diagramme. SRS

March-2020

- (6.1) Unit III :-> Programming with VB: Decision and Conditional statement (If, if then else, while.) Array declaration.
- (6.2) Unit III :-> slw Project Mgt. Planning a slw Project Risk Mgt.
- (April-2020) (6.1) Unit IV :-> General and event procedures, subroutines, function, procedure, Menu design, DAO, ADO.
- (6.2) Unit IV :-> design & implementation, design fundamentals cohesion & coupling, function oriented design.

Vinod Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anu Bala Subject History
Class M.A. (F) Paper 401 Section A

January-2020

Unit → I → Research Methodology → a brief introduction, objectivity, causation, generalization → Test, Seminar
Unit 2nd → historical Investigation of Sources
Archaeology and archival sources.

February-2020

Unit 2nd Primary sources and Secondary sources,
critical analysis of Sources, How to read
a historical book → Test, class quiz, competition.
Unit → 3. Selection of theme, hypothesis.

March-2020

Unit → 3. Method of data collection, arrangement
of bibliography / footnotes / references, glossary and
appendix → Test, Unit IV Making of Research Proposal

April-2020

Unit IV → review of Literature, Book reviews, Urban
Decay in India by R.S. Sharma, The Economic History of India
under Early British Rule Vol-I by R.C. Dutta,
Revision work → Test, class quiz.

Anu Bala
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anita Subject History
Class M.A. Final Paper Principles and Methods of Archaeology Section A
(402)

January-2020 Unit Ist

Archaeology: Meaning, definition, aim and scope; History of Indian archaeology from upto 1947; relation of archaeology with natural and social science; the role of science in Archaeology Research. Unit test, class Seminar

February-2020 Unit IInd

Significance of pottery in archaeology; paintings, Flora and Fauna; early occurrence of Iron in India with special reference to PGW and NBPW sites.

Unit test and Class Seminar

March-2020 Unit 3rd

Carbon dating C14, relative and absolute dating methods, recording of excavated finds, three dimensional measurement, Preparation of section drawing, drafting of excavating site and photography; Class test

April-2020 Unit IVth

A detailed study of sites: Taxila, Thaneeshar, Lothal, Vaimali, Hastinapur, Sanghol, Dargali. Class test, Assignment and revision.

Anita
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anita Rani Subject History
Class MA Final Paper Elements of epigraphy and Section A
Numismatics (403)

January-2020

Unit 1st Numismatics: as a source of history; origin of coinage in India; techniques of coins in ancient India; general outline of Indian numismatics upto 1200 A.D.
Class test, Seminar, Assignment.

February-2020

Unit 2nd ⇒ Punch marked coins, Indo-Greek Coins; Kusana, Satavahanas coins; Gupta Coins.
Class test, Seminar.

Unit 3rd ⇒ Inscriptions: as a source of historical and cultural importance of Asokan major rock edicts and Hathigumpha inscription; historical and political significance of Allahabad inscription of Samudragupta. Class test, Assignment, Seminar.

April-2020

Unit 4th → a. Coins: Gupta coins and Kusana coins.
b. Inscriptions for decipherment into Devanagari / Roman script and transliteration into original script. Class test
Assignment and Revision.

Anita
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher AnuBala Subject History

Class M.A. (E) Paper 404, Art and Architecture Section

January-2020

Unit → 1st Rock art of India Bhimbetka: Harappan Art and architecture, town planning, regional style of art and architecture: Mathura, Gandhara, Amaravati and Nagayunikonda - Test, Semminor

February-2020

Unit → 2nd Shilpa and Kala in Indian Society with special reference on artists and their activities; Mauryan Art and architecture, Integration of Sculpture and architecture in the stupas. Buddhist and Jaina Art → Test

March-2020

Unit 3 The art of devadayas, chaityas, pratimas, and bhiti chitras 300 B.C.E to 600 AD. Test, Assignment.

A general outline; temple and rock cut Architecture at Ajanta, paintings of Bagh and Ajanta - a general outline? Test.

April-2020

Unit IV General outline of Art and Architecture

Kalyanacharya - Kandalaya and Mahadeva: Vijaynagar, Jaunpur, Gujarat, Rajputana, Bharatpur and Malwa; Test + Revision work.

AnuBala
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anu Bala Subject History

Class MA (F) Paper 405 (Science and Technology in Ancient India) Section

January-2020

Unit → 1st → History of Science and Technology: meaning, definition and scope, Sources of history of science and Technology in ancient India, the developments of Science and Technology of astronomy, medical science and Mathematics → Test.

February-2020

Unit-2nd → Science and Technology in Harappan civilization pottery technology, bronze metallurgy and bricks making, Iron technology of megalithic age, ceramics - polished ware technology, Plow and NBPW, Harappan bead technology → Test, assignment.

March-2020

Unit → 3rd Arthashastra as a Tool of various knowledge Varahamihira as an astrologer and astronomer, Relations and development of medical knowledge of Greek and Ayurveda; Buddhist logic Hetuvidya and Sunyavada → Test.

April-2020

Unit → 4 Metal technology Harappan copper tools coins minting; invention of Iron Plough and weapons special reference of Maurya and Gupta age.

Anu Bala
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anita Rani Subject History
Class MA. Final Paper Heritage and Tourism in History Section A
(406)

January-2020

Unit 1st → Heritage sites: Concept, meaning, scope, the value of heritage site in history, World heritage sites in India - a general outline, the role and guidelines of UNESCO about heritage sites. Class test

February-2020

Unit 2nd → tourism in history: what is tourism and its types? concept, definition and characteristics of tourism; tourism promotion: state (Haryana)
Class test, seminar,

March-2020

Unit 3rd → What are the relationship between geography and tourism; How to read a tourism map and time, weather and climate for tourism.

Seminar, class test, Assignment.

April-2020

Unit IV → The basic concept of conservation and preservation of heritage site, the value of museum on heritage site; Functions of museum. Assignment.

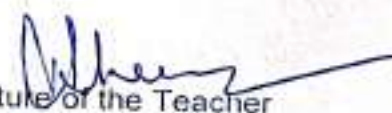
Anita
Signature of the Teacher

April

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Penu Sharma Subject Geography
Paper Human Geography Section Theory

- Working
Week-1 January-2020 - Unit I
Nature & Scope of Human Geography, Branches of H.G. & Approaches - Week-1.
- Week-2 Division of mankind: Spatial distribution of race & tribes in India
- Week-3 Concept of Man-environment relation: A historical Approach
Test & Revision of Unit-I
- February-2020 - Unit-II & First half of Unit III
- 1st Week Human Adaptation to the environment
- 2nd Week Resources: Meaning, nature, components, classification, Distribution & Utilization & their conservation
- 3rd Week World Population - Distribution, Density & Growth, Fertility & Mortality Patterns
- 4th Week Concept of over, under & optimum population & Revision & Test of the topics covered in this month.
- March-2020
- Ist Week Rural Settlement: Meaning, Classification & types, Urban Settlement: Origin, classification & function of towns.
- 2nd Week - Population pressure, resource use & environmental degradation & Test of the topics.
- 3rd Week Sustainable Development. 4th Week Concept of Deforestation & Test
- April-2020
- Ist Week - Soil Erosion & Class test & Discussion
- IInd Week - Air & Water Pollution: Class Test & Discussion
- IIIrd Week - Class test of Unit-I & II (Revision Test)
- IVth Week - Revision Tests of Unit III & IV


Signature of the Teacher

April.

Subject Lesson Plan January- 2020 to ~~March~~- 2020

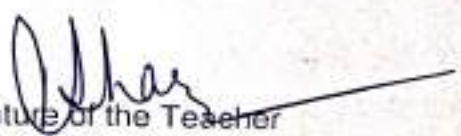
Name of the Teacher Renu Sharma Subject Geography
Paper Physical Geography Section Theory

Working January-2020 Unit-I
~~Week~~ Week-1 Definition, Nature, Scope & fields of Physical Geography.
Week-2 Interior of the earth, Geological time scale & rocks.
Week-3 Earth movements; organic, epeirogenic, earthquakes & volcanoes.
Week-~~III~~ Theory of Isostasy; Wegner's theory of continental drift & Plate tectonic theory. & Class test of Unit-I
~~of February~~ ^{February-2020} Week-II Weathering; Causes & its types.
Week-III Revision & ~~test~~ Test of Previous topics.
Week IV Mass-movements; causes, its types & impacts. Revision & Test

March-2020
Week-I Concept of cycle of erosion; cycle of erosion by W.M. Davis; Revision & Test
Week-II Process of wind River, Underground water, Glaciers & Sea waves; Revision & Test

April-2020

Revision & Class test of all units per week.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher YASHPAL MEHTA Subject Economics

Paper Business Economics Section -

January-2020

Market: Price Determination under Monopoly & Monopolistic
Competition

February-2020

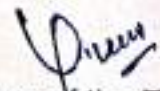
Oligopoly and Theory of Factor Pricing : features,
price rigidity model and Price leadership

March-2020

Determination of Wage Rates under Perfect Competition and
monopoly, Rent: Ricardian Theory and Modern Theory.
Quasi Rent.

April-2020

Interest: Concept & Theories of Interest
Profit: Nature, Concept and theories


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher YASHPAL MEHTA Subject Economics

Paper Micro-economics Section -

January-2020

Perfect Competition: Price determination, Equilibrium of the firm and industry in the short run and long run. Monopoly: Equilibrium of the monopoly in short run and long run. Price Discrimination

February-2020

Monopolistic Competition: characteristics, equilibrium in long period and short period, Group-equilibrium, Selling Costs, Product differentiation.

March-2020

Oligopoly: Characteristics, Cournot's model, Bertrand's model, Price Rigidity and Price Leadership, Collusive and non-collusive oligopoly

April-2020

Factor Pricing: Marginal Productivity, theory of distribution, Theory of Wage Rate, Modern theory of rent, quasi-rent, net and gross interest, theories of interest, theories of Profit

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher YASHPAL MEHTA Subject Economics

Paper Macro economics Section —

January-2020

Concepts of Money, Quantity theory of money,
Liquidity Preference and Rate of Interest, Supply of Money,
Credit Creation and Monetary Policy.

February-2020

IS-LM Curve and Aggregate Demand.
Shifts in Aggregate Demand Curve, Theories of Trade Cycles.
Samuelson and Hicler models.

March-2020

Market Failure: Market Efficiency, Reasons for
Market Failure, Public Goods, and Public Policies.

April-2020

Public Finance: Nature, Scope, Social Advantages,
Effects of Public Expenditure, Impact and Incidence of taxes,
Good Taxation System

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher YASHAL MEHTA Subject Economics

Paper International Economics Section _____

January-2020

Free Trade v/s Protection, International and Inter-regional Trade, Absolute Advantage and Comparative Cost Theory, Heckscher-Ohlin Theory.

February-2020

Determination of Rate of Exchange, Purchasing Power Parity Theory, BoP Theory, Exchange Rate Policy in India.

March-2020

Foreign Trade in India, Balance of Payments and Balance of Trade Structure, Balance of Payments in India: Measures & Correction.

April-2020

IMF, World Bank & World Trade Organisation

Signature of the Teacher

Apr

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Dr. Sharpi Sharma Subject Psychology
Paper Introduction to Psychology Section —

January-2020

IIIrd week - Introduction to the subject.

IV weeks - Psychophysics - Introduction.

February-2020

Ist week - Psychophysics - Methods & Problems of Classical Psychophysics.

IInd week - Problems of Psychophysics - exercises, Test.

IIIrd week - Attention - Nature & Characteristics

IV week - Attention - Types & theories, Revision/Test.

March-2020

Ist week - Learning - Definition, characteristics, factors

IInd week - Learning theories - Trial & error, Insight learning

IIIrd week - Learning v/s Conditioning - Classical condition

IV week - Operant conditioning and Differences v/s similarities b/w

April-2020 Classical & operant conditioning

Ist week - Test of syllabus covered. Problem solving - Introduction.

II week - Thinking - Convergent & divergent. Statistics - Introduction

III week - Statistics - Frequency distribution, Graphical presentation.
Measures of central tendencies. Exercises.

P. S. S.

Signature of the Teacher

Apr

Subject Lesson Plan January- 2020 to ~~March~~ 2020

Name of the Teacher Dr. Shailja Sharma Subject Psychology
Paper Developmental Psychology Section -

January-2020

Unit I - Human Development - Concept & Principles.

Week I - Factors in human development - Biological, Social & Cultural

February-2020

Week I. Factors in human development - continued. Class Test.

Week II Prenatal development - Determinants.

Week III Prenatal development - Stages; Infancy - characteristics

Week IV Infancy - Hazards and adjustment.

March-2020

Week I. Childhood: Characteristics, perceptual, motor, emotional dev.

Week II Childhood: Development contd. (emotional & cognitive) ^{Revision} test.

Week III Statistics. - Measures of variability - Measuring, types intro.

Week IV Quartile deviation & Standard deviation.

April-2020

Week I Adolescents - Characteristics & problems and adjustment

Week II Adulthood: Early adulthood, Late adulthood.

Week III Aging - Changing patterns and problems. ~~Class~~
Class test & assignment.

Shailja
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anamika Subject Physical Chemistry
Class M.Sc. 1st Paper 19CHE-202 (Physical Chem. II) Section 'a'

January-2020 UNIT-I

Week - III (Third Law of Thermodynamics, Nernst Eqⁿ, concept of absolute entropy & phase diagram)

Week - IV - Thermodynamics & Chemical dynamics (Introductions)

February-2020 Unit Test (I unit Thermodynamics)

Week - I Chemical Dynamics (Enzymatic Reactions)

Week - II - Statistical Mechanics

Week - III - Statistical Mechanics

Week - IV - Statistical Mechanics & Chemical Dynamics
March-2020 Unit test For (II & IIIrd Unit) Statistical Dynamics.

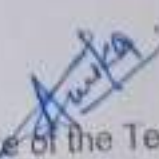
Week - I - Photo Chemistry (Laws of Photochemistry)

Week - II - Photochemistry (Photochemical processes)

Week - III - Photochemistry (Photochemical Reactions, Kinetics of quenching)

April-2020 Test - IV Unit
Revision, Assignment presentation

Minor test


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anarika Subject Physical Chemistry

Class M.Sc. 1st Paper 19CHE-202 (Physical Chem-II) Section A

January-2020 **UNIT-I**

Week - III (Third law of Thermodynamics, Nernst Eqⁿ, concept of absolute entropy, phase diagram)

Week - IV - Thermodynamics & Chemical dynamics (Introductions)

February-2020 Unit test (I unit Thermodynamics)

Week - I Chemical Dynamics (Enzymatic Reactions)

Week - II - Statistical Mechanics

Week - III - Statistical Mechanics

Week - IV - Statistical Mechanics

March-2020 Unit test for (II & III unit) ^{Chemical Dynamics & Statistical Dynamics.}

Week - I - Photochemistry (Laws of Photochemistry)

Week - II - Photochemistry (Photochemical processes)

Week - III - Photochemistry (Photochemical reactions kinetics of quenchings)

April-2020 Test - IV Unit Revision, Assignment presentation

Minor test


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anamika Subject Organic chemistry
Class M.Sc - Final Paper CHE-402 (Bioorganic & Medicinal chemistry) Section 'A' Specialization

January-2020 unit-I

Week-IIIrd - Unit I Enzymes Introduction & historical prospectives, Nomenclature & Classifications,
Week-IVth - Unit I (Enzymes : Mechanisms of Enzyme Actions) , Unit test - 1st unit

February-2020 unit-II, III

Week-I (co-Enzyme chemistry) Unit-II
Week-II (Mechanisms of rxn catalyzed by Enzymes)
Week-III (co-Enzyme chemistry + unit III Introduction of New drugs)
Week-IV (Theories of drugs Activities) Unit test-II & III

March-2020 unit IIIrd + IV

Week-I (Quantitative structures of activity relationship unit III)
Week-II (Synthesis of medical uses of Important drugs)
Week-III (Important drugs Synthesis) Unit-IV
= Test unit (III + IV units)

April-2020

Assignment class presentations
Revision , Minor test

Anamika
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anamika Subject Physical Chemistry

Class B.Sc. Ist Paper CH - 202 Section A
IInd Sem

January-2020 unit-I

Week I - Kinetics - I Section A

Week - II - Kinetics - I & II (Transition state Theory of Bimolecules)
Unit test - I & 2nd unit

February-2020

Week - I (Kinetics - IInd) Effect of temp. on the rate of reaction)

Week - II (Electrochemistry - I factors affecting)

Week - III (Electrochemistry - Ist)

Week - IV Test - I & 2nd.

March-2020

Week - I (Electrochemistry - II)

Week - II (Electrochemistry - II Section D.

Week - IV (Electrochemistry - II Section D.

Unit test - Section D.

April-2020

Class presentation for Assignments.
Revision & Minor test


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Ananika Subject Physical Chemistry

Class B.Sc. Dwl Paper CH- 402 Section A
4th Sem

January-2020 Section A
week-IIIrd Thermodynamics-III (Nernst +
Heat Theorem), Gibbs functions, Concept of
Entropy)
week-IV - Thermodynamic IIIrd
Entropy changes in Ideal gas & mixings.
unit test -Ist unit

February-2020 Section B, C.
week I (Thermodynamics IV (Heat theorem)
week II (Thermodynamics IV Section B)
week III (Electrochemistry III Electrolytic & galvanic
cells)
week IV (Electrochemistry III types of Electrolytes)
March-2020 unit test (Section B+C)

week I (Electrochemistry II (Standard electrode
potential & Applications.
week III (Electrochemistry IV (Application of EMF
measurements)
week-IV (Electrochemistry IV (Determination of
pH using different Methods. (unit-test)
April-2020

Revision, Minor test

Assignment presentation

Ananika
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Anamika Subject Physical Chemistry

Class B.Sc. III Paper CH - 602 Section A
6th Sem

January-2020 Section A

week - I Electronic Spectrum (concept of potential energy curve), Franck-Condon principle)

week - II (Electronic Spectrum no Energy levels & Their transitions)

unit test (Section A)

February-2020 week I (Section B Photochemistry)

week II (Photochemistry : Non radiative processes)

week III (Solutions : Dilute solutions Evaluation of Boiling points)

week IV (Solutions : colligative properties)

Unit Test (Section B+C)

March-2020 Section (C+D)

week I (Solutions : colligative properties Experimental Methods)

week II (Phase Equilibrium : Statements and meaning terms)

week IV (Phase Equilibrium: two components)

April-2020 unit test - Section D.

Assignment Presentation , Minor test

Revision

Anamika
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Nemika Subject Inorganic Chemistry

Class M.Sc. 1st Paper 19CHE-201 Section 2019-20 (2nd Sem)

January-2020

Unit-I

Week-III → Reaction Mechanism of Transition Metal Complexes

Week-IV → Magnetic Properties of transition metal complex

February-2020

Test of Unit-I & Unit-II

Week I & II → Electronic spectra and Magnetic Properties of Transition Metal Complexes

Week III, ~~IV~~ Unit-III Metal II- Complexes

March-2020 Test of II & III Unit

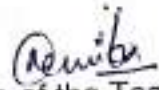
Week-I → Metal clusters

Week-III → Crystal Structures

Week-IV → Test of this unit

April-2020

Minor test & Revision


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Nemika

Subject Chemistry of Natural Products

Class M.Sc. Final Paper CHE- 405

Section 4th Sem.

January-2020

Unit-I

Week - III → Alkaloids.

Week - IV → Synthesis and biosynthesis of the following:

Ephedrine, (+)- Cocaine, Nicotine, Quinine and Reserpine.

February-2020 Test of Unit-I, Unit-II

Week - I, II → Terpenoids.

Weeks - III, IV → General method of structure elucidation,

biosynthesis and synthesis of β -carotene, vitamin A and

Abietic acid.

March-2020 Test of Unit-II, Unit-III & IV

Week - I → Steroids, Biogenesis of Steroids and correlation

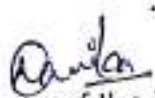
with terpenoids

Week - III → Natural Pigments

Week - IV → Test of Unit - III, Porphyrins.

April-2020

Minor Test & Revision


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Nemika Subject Inorganic Chemistry

Class B.Sc. Ist Paper CH-201 Section B.Sc. 2nd Sem

January-2020

Unit-I

Week-III → Hydrogen Bonding.

Week-IV → Vander Waals forces.

February-2020 Test of Unit-I & Unit-II & III

Week-I → Metallic Bond.

Week-II → Semiconductors.

Week-III → s-Block elements

Week-IV → Chemistry of Noble Gases.

March-2020 Test of Unit II & III & Unit.

Week-I → p-Block elements (Boron family)

Week-II → Carbon family & N-family

Week-III → Oxygen family

April-2020

Week-I → Halogen family.

Week-II, III, IV → Minor test & Revision.

Nemika
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Nemika Subject Organic Chemistry

Class B.Sc. 2nd Paper CH- 403 Section 4th Sem

January-2020

Unit-I

Week-III → Infrared absorption Spectroscopy.

Week-IV → Examples & Application IR Spectroscopy.

February-2020 Test of Unit-I, Unit-II & IIIrd

Week I & II → Amines

Week-III → Diazonium Salts.

Week-IV → Nitro compounds

March-2020 Test of II & IIIrd unit & Unit-IV

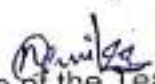
Week-I → Aldehydes

Week-III & IV → Ketones

? Test of this unit.

April-2020

Revision & Minor test.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Nemika Subject Inorganic Chemistry
Class B.Sc. Final Paper CH- 601 Section 6th Sem

January-2020

Unit-I

Week-III → Organometallic chemistry.

Week-IV → Preparation, Properties & bonding of alkyls of Li, Al, Hg and Sn.

February-2020 Test of unit - I & Unit II & IIIrd.

Week-I → Acids and Bases Concept.

Week-II → HSAB Concept.

Week-III → Bioinorganic Chemistry.

March-2020 Test of unit II & IIIrd & Unit IV.

Week-I → Silicones.

Week-III & -IV → Phosphazenes & test of unit-IV.

April-2020

Revision & Minor test.

Nemika
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Jyoti Subject Complex Analysis
Class Msc (2nd) Paper 18 MTH- 202 Section
3rd

January-2020

function of a complex variable, continuity,
Differentiability, Analytic functions, C-R eqⁿ,
Harmonic functions, Power series, Branches of
logarithm, unit test

February-2020

Path, Region, Contour, Complex integration
Cauchy theorem, Poisson's formula, Maximal
theorem, Cauchy's inequality, Liouville's theorem,
The fundamental theorem of Algebra, unit test, Seminars

March-2020

Zeros of Analytic function, Laurent's series,
Singularities, Max and Min principles, Schwarz
lemma, Meromorphic functions, Residues,
Evaluation of improper integrals

April-2020

The Argument Principle, Rouché's theorem,
Bilinear transformations, Unit test,
Revision, Seminars

Jyoti
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Jyoti Subject ODE
Class B.Sc/B.A (H) ^{Sem} Paper BM-122 Section _____

January-2020

Geometrical meaning of a differential equation, Exact
Differential Equations, Integrating factors, Lagrange's eqⁿ,
Clairaut's eqⁿ, Singular solutions, Unit test

February-2020

Orthogonal trajectories in Cartesian and polar co-ordinates,
Self orthogonal family of curves, Linear D.E.
with constant co-efficients, Homo L.O.D.E., Eqⁿ
reducible to homogeneous, Unit test, Seminar

March-2020

L.D.E. of 2nd order, Reduction to Normal form,
Transformation of eqⁿ by changing of D.V./I.V.,
Solⁿ by operators, Reduction of order of D.E.,
Method of V.D.P., Method of undetermined co-efficients

April-2020

ordinary simultaneous D.E., Solⁿ of simultaneous
D.E., Total D.E., Method of A.E.,
Revision, test

Jyoti
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Jyoti Subject Sequence and Series
Class BA/BSC Paper BM-241 Section _____
Sem (IV)

January-2020

Boundedness of set of Real numbers, least upper bound,
greatest lower bounds of set, nbd, interior points,
isolated points, limit points, open sets, closed sets,
interior and closure of set, Bolzano-Weierstrass thm, test

February-2020

Open covers, compact sets, Heine-Borel
Theorem, Sequence, Infinite series,
Unit test, Seminar

March-2020

D'Alembert's Ratio test, Raabe's test,
logarithmic test, de Morgan and Bertrand's test,
Cauchy's nth root test, Gauss test, Cauchy's
integral test and condensation test, test

April-2020

Alternating series (Leibnitz's test),
Arbitrary series, convergence and absolute
convergence of infinite products, test, Revision

Jyoti
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Jyoti Subject Business Mathematics

Class B.COM Paper 19BC-203 Section _____
(Semi Ind)

January-2020

Matrices (Definition, types, Algebra,
Applications), Determinants and inverse
of a matrix. Unit test

February-2020

Compound interest, Annuities,
Concept of Differentiation, Rules of
Differentiation, Unit test, Presentation.

March-2020

Applications of Differentiation, Maxima and
minima of functions, Revenue and
Profit, test,

April-2020

Permutations and combinations, Sequence
and Series, test, Revision

Jyoti
Signature of the Teacher

Subject Lesson Plan January- 2020-to March- 2020

Name of the Teacher Jyoti Subject functional Analysis
Class M.Sc (4th sem) Paper 18MTH-401 Section

January-2020

Normed spaces, Banach spaces, finite Dimensional
Normed space and Subspaces, linear operators,
Bounded and continuous linear operation, linear
functionals, Normed spaces of operators, Unit test

February-2020

Dual Spaces, Inner product space and its properties,
Hilbert spaces, orthogonal complements and direct
sums, Legendre, Hermite and Laguerre polynomials,
Representation of functionals, Unit test, Seminar

March-2020

Adjoint operator, Self Adjoint, Unitary and
Normal operators, Hahn Banach theorem,
Uniform bounded principle, closed graph thm,
open mapping thm, Reflexivity, Unit test,

April-2020

Spectral theory and its properties, Self
Adjoint linear operators, Positive operators.
Unit test, Revision.

Jyoti
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Jyoti Subject Operations Research
Class MSc (Ind) Paper 18 MTH- 201 Section Techniques
sem

January-2020

Origin, Definition and Scope of operation
Research, linear programming: formulation and
solⁿ of linear programming problems by graphical,
Simplex, Big-M and two phase method, Unit test

February-2020

Degeneracy, Duality in linear programming,
Transportation problems, Assignment
problems, Unit test, Seminar, Revision.

March-2020

Basic components of queuing system,
General birth-death eqⁿ, Steady state
solⁿ of Markovian queuing model with
single and multiple servers (M/M/1, M/M/c, M/M/c/k)

April-2020

M/M/c, M/M/1/k, Inventory control
models, Unit test, Revision.

Jyoti
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

M. Com- 2nd Semester

Name of the Teacher Dr. Rajesh Kumar Subject Financial Mgt.

Class M. Com. Paper 19 MC-203 Section _____

2nd Sem.

January-2020

Nature, Scope and objectives, Source of finance
Financial Planning - objectives, Scope, Time Value
of money. Practical Applications of Compounding and
P.V. Techniques. Assignments

February-2020

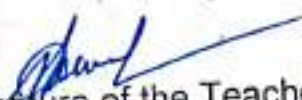
Capital Budgeting, Nature, process, Capital Structure
decisions, Techniques, Theories - NI, NOI,
MM Approach, Traditional Approach. Capital Rationing.
Assignments, House Exam.

March-2020

Cost of Capital, Weighted average cost of capital.
CAPM Approach, Dividend Factors, Dividend
decision Model - Walter's Model, Gordon's Model
and MM Model.

April-2020

Working capital management concept, significance.
Sources of working capital, Cash management,
Receivable mgt. Inventory mgt. Assignments.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

M. Com. 2nd Semester

Name of the Teacher

Dr. Rajesh Kumar

Quantitative Techniques for
Subject Business Decisions

Paper

19MC-201

Section

January-2020

Introduction to quantitative techniques, Process of decision making, Models and modelling in OR, Introduction to Mean, Mode, Median, S.D., Correlation Analysis, Regression Analysis, Assignment

February-2020

Theory of testing hypothesis, Statistics and parameters, Errors, Level of Significance, Degrees of Freedom, Standard Error, Z-Test, T-Test

Assignments, House Exam

March-2020

Non-parametric test, Assumptions, Techniques of Analysis of variance, Sign Test, Wilcoxon test, H-Test, U-Test, Assignment 2.

April-2020

Association of Attributes, χ^2 -Test, Yates's correction
Uses of χ^2 -Test, Misuse of χ^2 -Test.
Assignment


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020
M. Com. 4th Semester

Name of the Teacher Dr. Rajesh Kumar Subject Portfolio Management
Paper Com 404 Section _____

January-2020

Portfolio: Meaning, Measurement, Scope, Usefulness.
Risk and Return: Analysis with the help of S.D. and
correlation coefficient. Assets allocation. Efficient
Market Hypothesis. Assignment-

February-2020

Portfolio risk and return, Optimal portfolio. Risk less
Lending and borrowings. Harry Markowitz, portfolio
selection model. Sharpe's Single Index Model.
House Exam, Assignment-

March-2020

Capital Assets Pricing Model, Extensions of CAPM.
Arbitrage Pricing Theory and Multifactor Assets
Pricing Models. Behavioural Finance and guidelines
thereon. Assignment-

April-2020

Portfolio Performance Evaluation, Portfolio Revision,
Risk adjusted measures of return. Strategies of Great
Masters. Portfolio Risk Management, Assignment, Review


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020
M.Com. 4th Semester

Name of the Teacher Dr. Rajesh Kumar Subject Case Study
Paper COM 408 Section _____

January-2020

SAPM: Case Study-I, Case Study-2, Case Study-3,
Case Study-4, Case Study-5, Case Study-6,
Case Study-7, Case Study-8
Class Assignment

February-2020

Case Study-9, Case Study-10.
International Marketing: Case Study-1, Case Study-2,
Case Study-3, Case Study-4, Case Study-5,
Case Study-6. Assignment, House Exam

March-2020

Case Study-7, Case Study-8, Case Study-9,
Case Study-10.

Entrepreneurship: Case Study-1, Case Study-2,
Case Study-3, Case Study-4. Assignment-

April-2020

Case Study-5, Case Study-6, Case Study-7, Case-
Study-8, Case Study-9, Case Study-10.

Assignment: Revision


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020
M.Com. 4th Semester

Name of the Teacher Dr. Rajesh Kumar Subject Entrepreneurship

Paper COM 402 Section ..

January-2020

Entrepreneurship concepts, knowledge and skills,
Role of entrepreneurship in economic development,
Entrepreneurship process, Managerial and entrepreneurship
Approach. Assignment

February-2020

Generating business ideas, creative problem solving
ideas. Environmental scanning, Industry analysis,
Feasibility studies. Business Plan, Project Report
and presentation to the investors.
Assignment, House Exam

March-2020

Types of Entrepreneurs, Professional Managers,
How to raise finance. Network of Indian Institutions
Factors influencing mobility, A.M. and L.M. Assignment-
April-2020: Marketing Plans, Preparation of marketing
plan, Organizational Plans, Preparing Project Report-
for a new business. Assignment-


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

M-Com- IInd Sem-

Name of the Teacher Rajesh Kumar Sharma Subject Marketing Management

Paper 19 MC-205

Section —

January-2020 Unit 1. Fundamentals of Marketing

1. Nature, Scope, importance. II Concept and Evolution
- III Marketing Mix IV Marketing Environment Analysis
- CRM Strategic Planning in Contemporary Marketing.

Activity: Class Test

February-2020 Unit - II Consumer Behaviour and Product Dec.

1. Consumer Behaviour - Buying Process, Model
2. Market Segmentation - concept, Process, Basis
3. Product Decision - Product Line, Product mix, New Prod. Develop
4. Branding & Packaging, Labelling / Activity: Assignment
Class Test

March-2020 Unit - 3. Pricing and Promotion.

1. Pricing - Concept, Policies and Strategies, Process of setting Price
2. Promotion Mix - Advertisement, Budget, Designing and Testing
3. Personal Selling & Sales Promotions, Publicity & P.R.

Activity: Class Test, Assignment, Seminar Presentation.

April-2020 Unit - 4. Distribution Decision and Research

1. Distribution channel - Types and Determinants, intermediaries Decision
2. Marketing Research - Process, Online Research, Digital Marketing
3. Recent Trend in Marketing
4. Activity - Revision and Class Test

Rajesh Kumar

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

M.Com- IInd Semester

Name of the Teacher Rajesh Kumar Sharma Subject Accounting for Managerial Decision.

Paper 19MC-202 Section M.Com- IInd Sem

January-2020 Unit 1. Introduction of Management Accounting

Management Accounting - Nature, Scope, Significance, Utility

1. Limitation and Success Planning.
2. Diff Between financial and cost Acc., Role and Position of M. Acc. ^{count}
3. Qualities of Managerial Accountant.
4. class Test at the last week of January.

February-2020 Unit-2. Contemporary Issue of Management Accounting

1. Current issues of Management Accounting, ABC costing, Value chain.
2. CVP Analysis, Contribution Margin.
3. B.E.P. Analysis. 4. P/V Ratio Analysis.

In the last week: Class Test, Black Board Presentation.

March-2020 Unit-3. Standard cost and Transfer Pricing

1. Standard costing, 2. Variance Analysis
3. Transfer Pricing - concept and Method.

Activity -1. Written class Test

2. Seminar Presentation-

April-2020 Unit-4 Responsibility Account. and TQM

1. Responsibility Accounting - Concept and its implementation
2. Ethics in Management Accounting.
3. Reporting to Management - Types, Uses. and Effective steps.

Activity -> Class Test, Seminar Presentation, Assignment

Rajesh Kumar

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

M.Com - Final.

Name of the Teacher Rajesh Kumar Sharma Subject Performance Mgt and compen. mgt

Paper CoM-406 Section —

January-2020 Unit-1. Conceptual Framework of Performance Mgt

1. Concept, Need, Object of Performance Mgt.
2. Performance Mgt and Performance Appraisal
3. Linkage with other HR Activity
4. Factor Affecting HR Performance Management System.

Activity - Class Test

February-2020 Unit-2 Performance Mgt system

1. Performance Planning, Coaching, evaluation
- Method of Performance Appraisal, Communication,
Counselling and Development, Linkage Pay.

Designing an Effective P.M.S., P.M. in Indian context

Activity: 1. House Examination

2. Assignment

March-2020 Unit-3 Compensation Mgt:

1. Forms of Pay, Strategies of compensation.
2. Pay Structures - Pay level, pay structure, optimum Pay str.
3. Paying for Performance, Skill and Competence, Incentive Pay System.

April-2020 Unit-4. Workmen Comp. Act and wages act

1. Introduction of Workmen Compensation Act - 1923 - Detailed
2. Minimum wages Act 1948 - An overview.

Activity: 1. Revision, 2. class Test
3. Assignment

Rajesh Kumar

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

M.Com - Final

Name of the Teacher Rajesh Kumar Sharma Subject Research Methodology

Paper COM- 401 Section -

Unit - I. Research Method and Hypothesis.

January-2020

1. Meaning of Research - Nature, scope, Type, Uses in Business
2. Research Problem - Criteria of Problem, statement
3. Hypothesis - importance, value of Problem and Hypothesis

Activity - class Test

February-2020 Unit - 2. Research Design

1. Meaning, and Principal, Process, Types of Research Design e.g. Exploratory, Descriptive, Diagnostic Experimental Research Design.

Activity: class Test II Assignment. Presentation

March-2020 Unit - 3 Data collection and Measurement

1. Methods of Data collection e.g. interview, observation, schedule, Questionnaire
2. Measurement: Attitude, Types of scale, scaling Techniques

Difficulties of scaling. Activity - class Test

April-2020 Unit - 4. Data Analysis and Research Report

1. Factor Analysis, Use of SPSS and other Software in B.Res.
2. Types of Report, Principles, Devices Presentation and Communication of a Report.

Activity. 1. Research Paper Presentation.

2. Assignment

Rajesh Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Class- M.Com II Year IV Semester

Name of the Teacher Ms. Chanchal Subject International Marketing

Page Code COM-405 Section 2019-2020

January-2020

Unit-1 International Marketing - Concept, Scope and objectives
Challenges and Opportunities in IM. International Marketing
Market Entry strategies - Introduction, strategic Alliance,
Recent Import Export Policy and Procedures. Mergers
and Franchising, Export Marketing class-test

February-2020

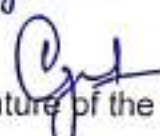
Unit-2 Export Incentives - Rules for Successful Exporting
Preliminaries for starting Export Business, Registration
of Exports Sending Exporting samples, Appointing, Overseas
influencing, international pricing Decision, Uniform pricing vs
Market by Market Price. Unit-Test

March-2020

Unit-3 legal and Ethical Issue in IM - Introduction, Nature
of IB Disputes and Proposed Action, legal Concept Relating
to IB - Export Documentation, Export Support Institution.

April-2020

Unit 4 - IMB - Introduction, Concept, Need, Approaches of
Marketing Research, IM Research, IB Research Process,
market surveys, marketing Information System.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020
Class - M.Com II Year IV Semester

Name of the Teacher Mr. Chanchal Subject Taxation Law
Paper Code = COM-403 Section 2019-2020

January-2020

Unit-I Introduction to Income Tax Act 1961. Salient features and Basic Concepts. Previous year, assessment year, person, Gross Total Income and agricultural Income, Residential status and Incidence of Tax, fully exempted incomes. class-test

February-2020

Unit-3 :- Rebates and Relief's set off and Carry forward of losses, deduction of Tax at source, Payment of advance Tax, Central Sales Tax Act 1950.

Assignment, Unit-Test.

March-2020

Unit-2 :- Heads of Income (1) Salary head (2) house property head (3) Profession and business head (4) Capital gain (5) other head / simple problems)

April-2020

Unit-4 :- VAT :- Concept and general principles, Calculation of VAT, liability, including Input Tax, credit, process, E-filing. Central Excise - Salient features (Unit-Test)

Signature of the Teacher



Subject Lesson Plan January- 2020 to March- 2020

Class. B.Com II Year VI Semester

Name of the Teacher Ms. Chanchal Subject Auditing

Page 1 Code - 604 Section 2019-2020

January-2020

Unit-II - Audit Procedure :- Audit Routine

Checking, Vouching, Verification and
Valuation of assets and liabilities

Class-Test

February-2020

Unit-III - Audit of Public Company :- Qualification,
Appointment of Company Auditors, their
power, duties and liabilities, Audit
of depreciation and reserves, Divisible
profit and dividends. Unit-Test

March-2020

Unit-I - Auditing - Meaning, objectives, Important and
Types of Auditing, Audit Process, Internal Control,
Internal check and internal audit Programmes

April-2020

Unit-IV - Audit Report - and Investigation, Audit
Report - Meaning, objectives, Contents and Types. Investigation.
Meaning, Nature and objectives. Assignment

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Class - B.Com II Year Ist Semester

Name of the Teacher Ms. Chanchel Subject Corporate Law

Paper Code - 4.04 Section 2019-2020

January-2020

Unit-I: Depository System - meaning and Importance

Shares:- Types of shares, Allotment of shares, Transfer and Transmission shares, Paperless Trading Benefit and Procedure - Need of educating investors
Class. Test

February-2020

Unit-2 Share Capital - Meaning and forms of Capital, Alteration of share Capital; Reduction of share Capital, issue of share

Capital etc. shareholders and members - Different types of shareholders

& members. Right and liabilities of Members. Unit Test

March-2020

Unit-III - Meaning of Company - Essentials of Valid meeting, meeting of shareholders - Annual general meeting; Extra Ordinary general meeting; meeting of board of directors, Proxy, Voting, Notices, Agenda and Minutes of meeting about directors.

April-2020

Unit-IV Winding up - Meaning, winding up by the Tribunal - Petition for winding up - Voluntary winding up, Power and Duties of Company Liquidator - Consequences of winding up. Assignment.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Class - B.Com II Year IV Semester.

Name of the Teacher Ms. Chanchal Subject Banking and Banking Law
Paper Code - U.O.6 (Optional) Section 2019-2020

January-2020

Unit-1 - Bank and Banking system, functions and Importance of Commercial Bank, structure of Commercial Banking in India, Problems of Non-Performing Assets, Credit Creation. Class-Test

February-2020

Unit-2 Regional Rural Banks, Cooperative Banks, Reserve Bank of India

As Assignment, Class Test, Unit Test.

March-2020

Unit-3 Monetary Policy in India, Determination and Regulation of Interest Rates in India, Banker and Customer Relationship, Some Special Types of Bank Customers, Unit Test

April-2020

Unit-IV Negotiable Instruments - Meaning, features and holders, Right and liabilities of parties for Negotiable Instruments, Endorsement of Negotiable Instruments, Review

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Class . M.Com I Year II Semester

Name of the Teacher Ms. Chanchal Subject E-Commerce

Page 1 Code 19MC-204 Section 2019-2020

January-2020

Unit-I - Meaning and Concept of E-commerce, Element of E-commerce, E-commerce practices and Traditional practices Benefits and limitation of E-commerce, Types of E-commerce System - B2B, B2C, C2C, C2B, B2G, G2C. Service providers, e-distributors, procurement and just in Time delivery, role of E-commerce.

February-2020

Unit-2 → Electronic Payment System - Transactions through Internet, requirement of e-payment system. Types of an Electronic system: E-Money Electronic fund Transfer. System. Security Scheme for an electronic Payment systems - Encryption, Digital, Signature etc.

March-2020

Unit - Test

Unit-3 - Network place v/s Market Value, impact of E-commerce on market, online, Marketing issue in e-marketing, Role of E-Broker, Broker Based service, E-Auction E-Ticketing.

Unit Test.

April-2020

Unit-4 - Digital economy. Impact of Digital Economy on Trading and intermediaries. Impact of digital business revolution, State of E-commerce in India, future of E-commerce, Theory. (Assignment)

Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KAPIL KUMAR

Class B.E-Ist Paper PHY 201

Subject Properties of matter & Relativity

Section —

January-2020

week - III Hooke's Law their relations and Constants.
week - IV Torsion of Cylinder, twisting Couple,
Bending of Beam, Cantilever.

February-2020

week - I, K.E. Theory of gas, law of Equipartition.
week - II Specific heat of gases, Maxwell speed distribution
week - III (Class Test) - Diffusion of gases, Brownian motion.
week - IV Real gases, van der Waal's equation.

March-2020

week - I Inertial frames, Galilean Invariance
week - II Newtonian Relativity Principle, Michelson Morley Exp.
week - III Lorentz Transformation, length contraction.
week - IV Variation of velocity mass, energy Equivalence

April-2020

week - I Revision (Unit test)
week - II Revision (Unit test)
week - III Revision (Unit test)
week - IV Revision (Unit test)

Kapil Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KAPIL KUMAR Subject Quantum Mechanics

Class M.Sc. Ist Paper 19 PHY 202 Section —

January-2020

week - III - Perturbation theory, first order and second order
Correction in eigen function and eigen values.

week - IV - Ground state of helium atom, degenerate Perturbation
theory. Stark effect, Rayleigh-Ritz Variational Method.

February-2020

week - I - WKB approximation and Transition Probability.

week - II - (Unit test) Fermi golden rule, interaction of an
atom with e-m radiation. week - III - Electric dipole Transition.

week - IV Magnetic dipole Transition.

March-2020

week - I Scattering and laboratory and Center of mass system

week - II Partial wave Analysis and phase shift

week - III (Test) Born approximation, Coulombic scattering

week - IV Scattering of two identical particles.

April-2020

week - I symmetric and Antisymmetric wave functions.

week - II Pauli's exclusion rule.

week - III Revision (unit test)

week - IV Revision (unit test)

Kapil Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KAPIL KUMAR Subject Solid state Physics
Class MSc-Ist Paper 19PHY203 Section -

January-2020

week - III - crystal structures, Bravis lattice, weigner scitz.
week - IV Diffraction, Reciprocal lattice And Brillouin zones
crystal and atomic structure factors

February-2020

week - I - lattice vibrations, vibrations of crystals with
monatomic Basis, First Brillouin zone
week - II - unit test
week - III Quantisation of lattice vibrations, phonon momentum
week - IV heat Capacity, Einstein's model of heat Capacity

March-2020

week - I Density of states, Fermi energy, Heat Capacity of
week - II (unit test) Effective mass, Hall effect, Band theory
week - III Koning Penney Model, Periodic Extended and
Reduced zone. week - IV Tight Binding Methods & App.

April-2020

week - I Superconducting and its properties
week - II London eq., B.C.S theory and Josephson effects
week - III Revision (Test)
week - IV Revision (Test)

Kapil Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KAPIL KUMAR Subject Laser and Spectroscopy

Class M.Sc. in L Paper M.S.P-402 Section -

January-2020

Week-III Laser Properties, stimulated, spontaneous and Einstein coefficients
light amplification and modes.

Week-IV modes (I, II, III dim), Properties of laser, spatial and
Temporal coherence. (Experimental Evidence)

February-2020

Week-I Broadening and line shape function is Different types.

Week-II (Unit Test) Threshold Condition for Laser oscillation.

Week-III Gain saturation, Inhomogeneous Broadening

Week-IV Principle of NMR and its Types.

March-2020

Week-I Application of NMR, Mossbauer effect.

Week-II Application of Mossbauer Spectroscopy.

Week-III (Unit test) Quadrupole shifting.

Week-IV E-S-R, Mechanism, Resonance Condition.

April-2020

Week-I g factors u) fine structure, ligand hyperfine

Week-II unit test

Week-III Revision

Week-IV Revision.

Kapil Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KAPIL KUMAR Subject Nuclear Physics
Class B.Sc. final Paper PHY 602 Section —
(3rd)

January-2020

week - III Nuclear Properties and Binding energy, dipole moment, Quadrupole Moment.

week - IV Determination of mass by Bain Bridge and Jordan mass spectrograph, Mosely Law, Rutherford Scattering

February-2020

week - I Interaction of heavy charged particles and its theory

week - II (unit test) Interaction of lighter charge Particle.

week - III α -decay β -decay, γ -decay and interaction.

week - IV Q Values and threshold Reactions

March-2020

week - I Nuclear Reactions, Nuclear Reactors.

week - II Linear accelerators, Tandem accelerator.

week - III Counters, GM Counter.

week - IV Semiconductor and scintillation Counters.

April-2020

week - I Revision (Test)

week - II Revision (Test)

week - III Revision (Test)

week - IV Revision (Test)

Kapil Kumar
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Shaina Subject Computation Physics

Class Misc final Paper M.S.P - 401 Section --

January-2020

Week - III Numerical integration and differentiation, Curve fitting

Week - IV Gauss Legendre Quadrature method, Monte Carlo method for single, double and Triple integration.

Principle of least square.

February-2020

Week - I Regression, Sol. of linear diff. Equations. Taylor's Method

Week - II Euler's Method, R-K Method first order, second order.

Week - III Elementary idea of Sol. of Partial differential Eq.

Week - IV Second order differential Eq. Initial and Boundary Value Problems.
(unit test)

March-2020

Week - I Interpolation, Eigen Value and Eigen Vectors,

Week - II finite differences, Gregory Newton's Interpolation

Week - III Lagrangian Interpolation, Gauss Jordan Elimination.

Week - IV Jacobi's Method, Matrix inversion, eigen value Eigen vectors

April-2020

Week - I FORTRAN

Week - II FORTRAN

Week - III Revision (Test)

Week - IV Revision (Test)

Shaini
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Shaina Subject (Physics) Electronic Devices
Class B.C - Ist Paper PHY - 202 Section -

January-2020

Week - 3 A.C Circuit Analysis (i) Capacitance and Resistance
(ii) Inductance and their combinations.

Week - 4 Growth and decay of current in a circuit
Capacitor, Resistor, inductor and their combination.

February-2020

Week - I Energy Bands, Semiconductors and its types

Week - II Hall effect, Junction diode characteristic, Zener diode

Week - III Rectifiers and Filters (Unit test)

Week - IV Transistors and its types.

March-2020

Week - I Transistor as an amplifier, Common Base

Common Emitter, Week - II - R-C Coupled Amplifier

Feed Back Amplifier, Week III - Oscillators and types

Week (4) - Tuned Collector Common emitter oscillators.

April-2020

Week - I Revision (Unit test)

Week - II Revision (Unit test)

Week - III Revision (Unit test)

Week - IV Revision (Unit test)

Shaina
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher Shaina Subject Statistical Mechanics (Physics)
Class BSc-IInd Paper PHY 401 Section -

January-2020

week - III Probability, distribution of Molecules in a Box
week - IV phase space, microstates, Macrostates, Thermodynamical
Probability.

February-2020

week - I Postulates of Statistical physics, Division of phase space in cells
week - II Entropy and probability, Boltzmann's distribution laws
week - III (Class-test) Bose Einstein statistics, B.E gas.
week - IV M.B statistics, M.B as limiting case of B.E.

March-2020

week - I fermi Dirac statistics
week - II F.D gas and electron gas in Metals
week - III specific heat in metals and its solution.
week - IV Bose Einstein Condensation.

April-2020

week - I Revision (Unit test)
week - II Revision (Unit test)
week - III Revision (Unit test)
week - IV Revision (Unit test)

Shai
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher SHAINA Subject Electronic Devices & Ccts

Class M.Sc. (Phy) Paper 19 PHY - 204 Section

January-2020

Op-Amp :- CARE, Transfer characteristics of Diff. ampli.,
Op-amp parameters and their measurements, Block diagram,
Open loop config., Closed loop config. VGC, Universal
Balancing, two feedback config. - Schmitt Trigger (Unit Test)

February-2020

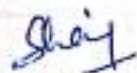
Applications of Op-Amp: Summing & Scaling, Integrator,
Differentiator, Filters, Lag & antilag amp., Voltage follower,
Bridge amp., DAC and ADC: DAC - Weighted resistor, DR,
ADC - Counter Type, Flash type, Slope integrator type.

March-2020

Multivibrators, Astable multivibrator (Emitter Coupled), Monostable,
Bistable Multivibrator, Schmitt Trigger: Operation, circuit, hysteresis,
applications. Oscillators: Introduction to ccts, Essential transistor
ccts, Low freq. oscillators, High freq. Oscillators. (Sessional I)

April-2020

Optoelectronic Devices (Radiative & Non Radiative) Basic Const.,
Operation, characteristics, LED, Photodiodes, Avalanche Photodiode,
PTIR photodiode, LED, Laser Diodes, Thermistors. Revision & class
test.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher SHAINA Subject Electronics II
Class M.Sc. (Engg.) Paper MSP-403 Section

January-2020

E. Detectors: Vacuum Photodiode, Photo-multiplier, microchannel,
I. Det.: - p-n junction photodiode, solar cell (short circuit current),
PIN photodiode, Phototransistor, LED.

Unit Test:

February-2020

Transducers, Principal and classification of transducers,
Primary and secondary, Active and Passive transducers, Analog
& Digital, Characteristics and choice, Temp., vacuum, Mag.
field, vibration, optical and particle detection: (Sensord)

March-2020

Differential amp., CMRR, cut. config., Block diagram of Op-amp,
off set current & voltage, PSRR, slew rate, Invert. & non I. amp.,
Basic applications, Diff. D.C. amp., AC coupled Amplifier.

Sessional II

April-2020

Integration, Differentiation, log. amp. & antilog amp., DAC =
Ladder & weighted resistor, ADC, Comparators (C.T.)
Square wave generator, Pulse and A wave gen. Revision, classed.


Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KHUSHBU Subject Optics II
Class B.Sc. (IV) Paper PHY - 402 (Paper II) Section _____

January-2020

Interference by Division of Amplitude, Wedge shaped film, Newton's Ring, Interferometer: Michelson's and its application. (Unit Test)
Fresnel's Diffraction, Half period zones, Zone plate,

February-2020

Diffraction at straight edge, Rectangular slit and Circular aperture. Fraunhofer diffraction: One slit diffraction, Two slit and N-slit diff. Plane transmission Grating; Dispersion Power. (Sessional I)

March-2020

Rayleigh's criterion, Resolving power of telescope & grating. Polarization and Double Refraction, Polarization by Reflection, by scattering, Malus law, Phenomenon of Double refraction. (Sessional II)

April-2020

Huygen's wave theory; Analysis of Polarized light by Nicol prism, wave plate. Production and Detection of Polarized light, Polarimetry. Revision.

Khushbu
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KHUSHBU Subject AMP & Laser Phy.
Class B.Sc. (Hons.) Paper PHY 601 Section

January-2020

Vector atom model, Quantum nos. Penetrating & Non-Pen.
Orbits, Spectral lines, Spin orbit Interaction, L.S. or
L.C. Coupling & Coupling (expressions)
Zeeman effect, Zeeman pattern of D_1 and D_2 lines

February-2020

Paschen Back effect, weak field Stark effect of
Hydrogen atom. Discrete set of electronic energies
of molecules, Quantisation of vibrational and Rot. energies
Raman effect, Stokes and Anti-Stokes lines. (Sessional I)

March-2020

main features of Laser & Properties, Spatial and
Temporal coherence, Einstein's coefficients and possibility
of amplification, Max. Transition and Life Time
of level. Class Test.

April-2020

Threshold condition for emission, Laser Pumping.
He-Ne laser, Ruby laser. Applications of Laser
in field of medicine and Industry. (Sessional II)

Khushbu
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KHUSHBU Subject Expt. Techn.

Class M.Sc.(E) Paper MSP-405 Section _____

January-2020

Opto-electronic Devices: Solar cells, Photodiodes, Photo-
detectors, LED's, Data interpretation and Analysis,
Precision and Accuracy, Error Analysis, Least square fitting,
Linear and Non Linear Curve fitting, Modulation Techniques. Unit Test

February-2020

Spectroscopic and Scanning Probe Techniques, ESR,
NMR, scanning Probe Techniques: STM, AFM,
STS. (Sessional I)

Revision

March-2020

Experimental Techniques to observe defects; Electron Micros-
copy, XRD, optical Techniques: Photoluminescence, FTIR,
Raman Spectroscopy, Methods of observing Dislocations,
Stacking faults, Electron Microscopy, Lattice Imaging.

April-2020

Electron Spectroscopies - Auger, XPS, UV-photoemission
X-ray Techn.: EXAFS, MEAFS, SIMS, RBS and
Low energy electron diffraction Techniques. Sessional II.

Khushbu
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KHUSHABU Subject Nuclear & Particle Phy.

Class M.Sc. (P) Paper 49-PHY-202 Section

January-2020

Deuteron Problem, Binding energy; Dipole & Quadrupole moments, Non-central force, Spin dependence, N-N scattering, S-wave effective theory, charge indep. & symmetry of Nuclear forces, Iso-spin formalism. Unit Test.

February-2020

Nuclear models:- Q-equations for reactions and its solutions, Liquid drop model, Semi empirical mass formula, Bohr-Wheeler theory of fission, Shell Model, Magic #s, Single particle model and S-I coupling, Different estimations. Class Test.

March-2020

Nuclear Decays $\rightarrow$ α -disintegration energy; Range-Energy Relⁿ of α -particles, G-N law, Fermi theory of β -decay, Fermi-Gamma transitions, Parity non-cons., Neutrinos,

Gamma decay, Nuclear Transmutation, Internal conv. (Sectional Test)

April-2020

Fermions & Bosons, Particles & Antiparticles, Strange Particles, Quarks & Hadrons, Necessity of color quantum #, Unitary groups, classification of elementary particles, Higgs Boson Revision

Khushabu
Signature of the Teacher

Subject Lesson Plan January- 2020 to March- 2020

Name of the Teacher KHUSHBU Subject Nano-Materials
Class M.Sc. Sem I Paper MSP-404 Section —

January-2020

Free electron theory, Idea of Band structure, Density of states in bands, Variation of density of states and band gap with size of crystal.

Unit Test

February-2020

Electron confinement in infinitely deep square well, confinement in 1 and 2 dimensional well, Idea of quantum well structure Quantum wires and Dots. (Sessional-I)

March-2020

Different methods of preparation of nano-materials, Bottom-up approach:- Cluster beam evaporation, IBD, Chemical Bath deposition with capping tech. Top Down: Ball Milling. (Sessional-II)

April-2020

Determination of particle size. Increase in width of XRD peaks of nano-particles, Shift in photoluminescence peaks Raman spectra of Nano-materials; Revision; Class Test II

Signature of the Teacher