

SUMMARY OF LESSON PLANS OF COLLEGE FACULTY

Name of College: G.V.M. Girls College Sonipat

Academic Session: 2017-18

Semester: Odd

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>Subject</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organized</i>	<i>Topic of Assignments/Tests to be given to the students</i>
	Dr. Suman Nasa	Taxation Law (B.Com. IIIrd Year)	July: Intro, Agri. & Exempted Incomes August: Residential Status, Salary Sept: House property & Business Income including Depreciation	Developing skills for G.D. Group discussions conducted Presentations from students	----- Test on Exempted Incomes Test on Salary Income
			Oct: Capital Gains, Other sources Nov.: Deemed Incomes, Set Off of losses, Deductions from GTI, Revision Dec.: Semester Examinations	Class Conference Workshop on tax calculations -----	Test on Business Income Test from House property Income -----
		Corporate Law (B.Com.IIInd Year)	July: Basics of Company August: Types and Incorporation Sept.: Memo. of Asso., Prospectus	Preparing students for class conference Conducting Class Conference Visualization of Prospectus	----- Test on structure of company Test re formation of company
			Oct: Articles of Association Nov: Borrowing Powers, Revision Dec.: Semester Examinations	Seminar on corporate affairs Visualization of Memorandum and Articles of Association	Test re Prospectus Test re Memorandum and Articles
		Financial Market Operations (B.Com.IIIrd)Year)	July: Indian Money Market August: Capital Market & Stock Exch. Sept: SEBI, Merchant Banking Oct: Credit Rating, Development Banks Nov: Mutual Funds, Revision Dec: Semester Examinations	Developing skills for Presentations Presentation by Students Demo of workings of Stock Exchange Seminar on Sebi Workings Guest Speaker on Mutual Funds -----	----- Test re Money Market Test on secondary market Test on Sebi Workings Test on Credit Rating -----

Name of College: G.V.M.Girls College, Sonapat Academic Session: 2017-18 Semester: Odd For the Month of August, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Dr. Asha Chawla	Business Statistics	Collection of Data Classification of data: Frequency distribution	Presentation of students	Exercise of Chapter
		Financial Accounting	Accounting principles Double entry system	Group Discussion	Test of Chapter
		Business Statistics	Collection of Data Classification of data: Frequency distribution	Group Discussion	Exercise of Chapter
		Statistical Analysis with MS Excel	Data and data collection Methods	Presentation of Students	Test of chapter

Name of College: G.V.M.Girls College, Sonapat Academic Session: 2017-18 Semester: Odd For the Month of December, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Dr. Asha Chawla	Business Statistics	Revision	Presentation of students	Test of Chapter
		Financial Accounting	Revision	Group Discussion	Test of Chapter
		Business Statistics	Revision	Group Discussion	Test of Chapter
		Statistical Analysis with MS Excel	Revision	Presentation of Students	Test of Chapter

Name of College: G.V.M.Girls College, Sonapat

Academic Session: 2017-18

Semester: Odd

For the Month of July, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Dr. Asha Chawla	Business Statistics	Introduction to statistics	Presentation of students	Exercise of Chapter
		Financial Accounting	Meaning and scope of accounting Basic accounting terms	Group Discussion	Test of Chapter
		Business Statistics	Introduction to statistics	Group Discussion	Exercise of Chapter
		Statistical Analysis with MS Excel	Data collection : Experiment and Surveys	Presentation of Students	Test of chapter

Name of College: G.V.M.Girls College, Sonapat

Academic Session: 2017-18

Semester: Odd

For the Month of November, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Dr. Asha Chawla	Business Statistics	Correlation Regression Revision	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Financial Accounting	Accounts of Non-profit organisations Consignment Accounts Revision	Presentation of students Group Discussion	Test of Chapters Exercise of Chapter
		Business Statistics	Correlation Regression Revision	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Statistical Analysis with MS Excel	Chi-square Test Analysis of variance Revision	Presentation of students Group Discussion	Test of chapter Exercise of Chapter

Name of College: G.V.M.Girls College, Sonapat Academic Session: 2017-18 Semester: Odd For the Month of October, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Dr. Asha Chawla	Business Statistics		Presentation of students	Exercise of Chapter
		Financial Accounting		Group Discussion	Test of Chapter
		Business Statistics		Group Discussion	Exercise of Chapter
		Statistical Analysis with MS Excel		Presentation of Students	Test of chapter

Name of College: G.V.M.Girls College, Sonapat Academic Session: 2017-18 Semester: Odd For the Month of September, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Dr. Asha Chawla	Business Statistics	Measures of central tendency	Presentation of students	Test of Chapter
		Financial Accounting	Recording of Accounting transactions	Group Discussion	Exercise of Chapter
		Business Statistics	Measures of central tendency	Group Discussion	Exercise of Chapter
		Statistical Analysis with MS Excel	Data Processing Descriptive Statistics	Presentation of Students	Exercise of chapter

Name of College: G.V.M.Girls College, Sonapat Academic Session: 2017-18 Semester: Odd For the Month of August, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Ms Pooja Gulati	Cost Accounting	Material cost accounting, material cost control.	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Business Management	Management: An introduction, Nature of management: some management issues, development of management thought: various approaches.	Group Discussion Presentation of topics	Exercise of Chapter Test of Chapter
		Corporate Accounting	Redemption of preference shares, Issue of debentures and half chapter of redemption of debentures.	Group Discussion Presentation of topics	Exercise of Chapter Test of Chapter
		Business Management	Management: An introduction, Nature of management: some management issues, development of management thought: various approaches.	Presentation of Students Group discussion	Exercise of Chapter Test of Chapter

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S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Ms Pooja Gulati	Cost Accounting	Cost accounting: An introduction, elements, concepts and classification.	Presentation of topics Group Discussion	Exercise of Chapter Test of Chapter
		Business Management	Business: An introduction, Spectrum or Scope of Business Activities.	Presentation of topics Group Discussion	Exercise of Chapter Test of Chapter
		Corporate Accounting	Issue of shares	Presentation of topics Group Discussion	Exercise of Chapter Test of Chapter
		Business Management	Business: An introduction, Spectrum or Scope of Business Activities.	Presentation of topics Group Discussion	Test of chapter

Name of College: G.V.M.Girls College, Sonapat Academic Session: 2017-18 Semester: Odd For the Month of November, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Ms Pooja Gulati	Cost Accounting	Unit or Output costing –II, Reconciliation of Cost and financial accounts Revision	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Business Management	Authority and Responsibility , delegation , decentralisation and centralisation Revision	Presentation of students Group Discussion	Test of Chapters Exercise of Chapter
		Corporate Accounting	Profit and loss before and after incorporation. Revision	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Business Management	Authority and Responsibility , delegation , decentralisation and centralisation Revision	Presentation of students Group Discussion	Test of chapter Exercise of Chapter

Name of College: G.V.M.Girls College, Sonapat Academic Session: 2017-18 Semester: Odd For the Month of October, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Ms Pooja Gulati	Cost Accounting	Accounting for overheads: classification and treatment. Overheads: allocation, apportionment and absorption, machine hour rate.	Presentation of topics Group Discussion	Exercise of Chapter Test of Chapters
		Business Management	Organising : concept, nature and process, forms of organisational structure and contingency factors, Departmentation : Need and Basis	Presentation of topics Group Discussion	Exercise of Chapter Test of Chapters
		Corporate Accounting	Final accounts of companies.	Presentation of topics Group Discussion	Exercise of Chapter Test of Chapters
		Business Management	Organising : concept, nature and process, forms of organisational structure and contingency factors, Departmentation : Need and Basis	Presentation of topics Group Discussion	Exercise of Chapter Test of Chapters

Name of College: G.V.M.Girls College, Sonapat

Academic Session: 2017-18

Semester: Odd

For the Month of September, 2017

S.no	Name of Assistant/Associate Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignment/Tests to be given to the students
1.	Ms Pooja Gulati	Cost Accounting	Labour cost accounting, labour turnover, idle time, overtime, and method of wage payment, accounting of overheads.	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Business Management	Planning, types of plans, decision making, management by objectives.	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Corporate Accounting	Remaining portion of redemption of debentures, Valuation of shares and valuation of goodwill	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter
		Business Management	Planning, types of plans, decision making, management by objectives.	Presentation of students Group Discussion	Exercise of Chapter Test of Chapter

Name of College: G.V.M. Girls College Sonipat

Academic Session: 2017-18

Semester: Odd

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>Subject</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organized</i>	<i>Topic of Assignments/Tests to be given to the students</i>
	Ms. Sonia Mittal	Financial Accounting (B.Com. Ist Year)	July: Meaning and Scope of Accounting, Basic Accounting terms August: Accounting Principles, Double Entry System, Recording of Accounting transactions, Trial Balance Sept: Depreciation, Capital and Revenue, Provisions and Reserves, Errors and their Rectification	Presentaion by students on topics done in previous classes GD on GAAP Open discussions on types of accounts and rules of recording transactions Classifiaction of Capital and Revenue items by student from their routine life	----- Test on Basic Accounting terms Test on Journal entries, Trial balance
			Oct: Final Accounts with Adjustment and NPO Nov.: Consignment Accounts, Revision Dec.: Semester Examinations	Class Conference	Test on depreciation, Final Accounts Test on NPO and Consignment -----
		Corporate Accounting (B.Com.IInd Year)	July: Issue of Shares August: Redemption of Preference Shares, Issue of Debentures Sept.: Redemption of Debentures, Final Accounts of Companies	Preparing students for Class Conference Class discussion on shares and Debentures Drawing Balance sheets of real Companies with Imaginary figures	----- Test on numericals of issue of shares Test on Debentures issued for consideration other than cash, Bonus Shares and Collateral Security
			Oct: Valuation of Goodwill, Valuation Of Shares Nov: Profit and Loss prior to Incorporation, Revision	Calculation of values of shares based on data of real companies existing.	Test on methods of Goodwill Test on methods of valuation of Shares Test on numericals of P&L pripor

			Dec.: Semester Examinations		to Incorporation
		Financial Market Operations (B.Com.IIIrd Year)	July: Indian Money Market August: Capital Market & Stock Exchange Sept: SEBI & Merchant Banking Oct: Credit rating, Development Banks Nov: Mutual Funds, Revision Dec: Semester Examinations	Developing skills for Presentations Presentation by Students Demo of workings of Stock Exchange	----- Test re Money Market Test on secondary market Test on different functionaries on Stock Exchange Test on Credit rating agencies in India
		Human Resource Management (B.Com. IInd Year)	July: Introduction to HRM August: Recruitment and Selection Sept: Training, wage and Wage incentives, Methods of Wage Payments Oct: Industrial relations and Industrial Unrest Nov: Revision Dec: Semester Examinations	Awareness on How to give presentations GD On different sources of Recruitment Class Conference on Methods of training Role playing on Industrial relations Test on Functions Of HRM, Sources of Recruitment Test on methods of Training and methods of wage Payment Test on Industrial Relations

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of July, 2017**

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Smiti Aggarwal	Calculus (B.Sc. Ist Comp.Sc.)	Successive Differentiation	Board Presentation	nth derivative of functions
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Riemann Integral	Written test	Integrability of continuous and monotonic functions
3.		Advanced Calculus	Continuous functions	Class quiz	Simple Definitions

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of August, 2017**

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Smiti Aggarwal	Calculus (B.Sc. Ist Comp.Sc.)	Some General Theorems on Differentiable Functions and Expansions	Board Presentation	Taylor's theorem
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Improper Integral	Written test	Abel's and Dirichlets test
3.		Advanced Calculus	Derivatives and Mean Value theorems, Indeterminate forms	Written test	Indeterminate forms

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of** September, 2017

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Smiti Aggarwal	Calculus (B.Sc. Ist Comp.Sc.)	Reduction Formulae and Asymptote	Class test	Asymptote of polar coordinates
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Metric Spaces	Class Quiz	Definitions and examples of some standard metrics
3.		Advanced Calculus	Limit and continuity, Partial differentiation, Differentiability of functions of two variables	Written test And Board presentation	Continuity and Differentiability, Implicit function theorem

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of** October, 2017

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Smiti Aggarwal	Calculus (B.Sc. Ist Comp.Sc.)	Singular point, Curve Tracing	Class test	Trace some Cartesian and polar curves
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Open and closed sets, completeness in metric spaces	Oral test	Definitions and examples
3.		Advanced Calculus	Maxima and minima of functions of two variables, Curves in space	Written test	Maxima and Minima

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S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Smiti Aggarwal	Calculus (B.Sc. Ist Comp.Sc.)	Rectification and Quadrature	Board Presentation	Deduction of length and area of curves
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Continuity, Uniform continuity, Compactness and Connectedness in metric spaces	Class Quiz	Definitions and examples
3.		Advanced Calculus	Limit and continuity, Partial differentiation, Differentiability of functions of two variables	Written test And Board presentation	Continuity and Differentiability, Implicit function theorem

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of July, 2017**

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Meenakshi	Dynamics (BA-III)	Newton's Laws of motion	Class quiz	Newton's Laws and Unit conversion in all systems
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Riemann Integral	Written test	Integrability of continuous and monotonic functions
3.		Advanced Calculus	Continuous functions	Class quiz	Simple Definitions

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S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Meenakshi	Dynamics (BA-III)	Work, Power and Energy, Conservative forces, Projectiles	Class quiz	Definitions and Formulae
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Improper Integral	Written test	Abel's and Dirichlets test
3.		Advanced Calculus	Derivatives and Mean Value theorems, Indeterminate forms	Written test	Indeterminate forms

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of** September, 2017

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Meenakshi	Dynamics (BA-III)	Motion along a plane curve, Relative velocity, S.H.M.	Board Presentation	Relative Motion
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Metric Spaces	Class Quiz	Definitions and examples of some standard metrics
3.		Advanced Calculus	Limit and continuity, Partial differentiation, Differentiability of functions of two variables	Written test And Board presentation	Continuity and Differentiability, Implicit function theorem

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of** October, 2017

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Meenakshi	Dynamics (BA-III)	Elastic strings, Central orbits.	Practice of short questions	Elastic strings and Newton's Laws
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Open and closed sets, completeness in metric spaces	Oral test	Definitions and examples
3.		Advanced Calculus	Maxima and minima of functions of two variables, Curves in space	Written test	Maxima and Minima

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of November,** 2017

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Dr Meenakshi	Dynamics (BA-III)	Kepler's laws, Motion of a particle in three dimensions	Board Presentation	Article and examples related to Kepler's Laws
2.		Real Analysis (B.Sc./B.A. IIIrd Year)	Continuity, Uniform continuity, Compactness and Connectedness in metric spaces	Class Quiz	Definitions and examples
3.		Advanced Calculus	Limit and continuity, Partial differentiation, Differentiability of functions of two variables	Written test And Board presentation	Continuity and Differentiability, Implicit function theorem

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of July,** 2017

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Renu Rani	Solid Geometry (B.Sc. Ist Comp.Sc.)	General equations of second Degree	Class test	Elliptic and parabolic conic sections
2.	Renu Rani	Partial Differential Equations (B.Sc. IInd Year)	Chapter 1-3	Board presentation	Lagrange 's linear equations and Charpit's general method
3.	Renu Rani	Real Analysis (B.Sc./B.A. IIIrd Year)	Riemann Integral	Written test	Integrability of continuous and monotonic functions

Name of College: G.V.M. Girls College **Academic Session:** 2017-2018**Semester:** Odd **For the month of** August, 2017

S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Renu Rani	Calculus (B.Sc. Ist Comp.Sc.)	Some General Theorems on Differentiable Functions and Expansions	Board Presentation	Taylor's theorem
2.	Renu Rani	Partial Differential Equations (B.Sc. IInd Year)	Chapter 4-6	Class Test	Hyperbolic and parabolic canonical differential equations
3.	Renu Rani	Real Analysis (B.Sc./B.A. IIIrd Year)	Improper Integral	Written test And Board presentation	Abel's and Dirichlets test

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S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Renu Rani	Calculus (B.Sc. Ist Comp.Sc.)	Reduction Formulae and Asymptote	Class test	Asymptote of polar coordinates
2.	Renu Rani	Partial Differential Equations (B.Sc. IInd Year)	Chapter 8-9	Board presentation	Some problems related to separation of variables
3.	Renu Rani	Real Analysis (B.Sc./B.A. IIIrd Year)	Metric Spaces	Written test	Definitions and examples of some standard metrics

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S. No.	Name of Assistant/ Associate Professor	Subject	Topics/ Chapters to be covered	Academic activity to be organised	Topic of Assignment/ Test to be given to the students
1.	Renu Rani	Calculus (B.Sc. Ist Comp.Sc.)	Singular point, Curve Tracing	Class test	Trace some Cartesian and polar curves
2.	Renu Rani	Partial Differential Equations (B.Sc. IInd Year)	Chapter 7	Class test	Monge's method
3.	Renu Rani	Real Analysis (B.Sc./B.A. IIIrd Year)	Continuity, Uniform continuity, Compactness and Connectedness in metric spaces	Class Quiz	Definitions and examples

Name of college- G.V.M. GIRLS COLLEGE SONEPAT Academic session-2017-2018 Semester –Odd
For the month of July, 2017

S no.	Name of Assistant Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignments/ Tests to be given to students
	Dr. Bindu Rani	Zoology			
		(B.Sc.I st semester) Paper code-1.1 Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> • General Introduction to Kingdom Animalia, • Phylum Protozoa: General Characters, Classification upto order level, Economic Importance of Protozoa 		
		(B.Sc.V th semester) Paper code-I	<ul style="list-style-type: none"> • Importance of Aquaculture • Introduction of World Fisheries: Production, Utilization and demand 		

For the month of August, 2017

S no.	Name of Assistant Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignments/ Tests to be given to students
	Dr. Bindu Rani	Zoology			
		(B.Sc.I st semester) Paper code-1.1 Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> • Type study of <i>Plasmodium</i> • Life history of <i>Entamoeba</i>, <i>Trypanosoma</i>, <i>Leishmania</i> and <i>Giardia</i> • Phylum Porifera: General Characters, Classification upto order level, Economic Importance • Type study of <i>Scypha</i> 		

		(B.Sc.Ist semester) Paper code-1.2 Cell Biology	<ul style="list-style-type: none"> • Ultrastructure of different cell organelles of cell • Microtubules and microfilaments • Cilia and Flagella • Golgi body 		
		(B.Sc.Vth semester) Paper-I Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> • Seed production: Natural seed resources-its assessment, collection, hatchery production • Fishing crafts and gears 	Visit to Fish Farm	

For the month of September, 2017

S no.	Name of Assistant Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignments/ Tests to be given to students
	Dr. Bindu Rani	Zoology			
		(B.Sc.Ist semester) Paper code-1.1 Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> • Phylum Coelenterata: General Characters, Classification up to order level, Economic Importance • Type Study of <i>Obelia</i> • Phylum Platyhelminthes: General Characters, Classification up to order level • Type study of <i>Fasciola hepatica</i> 		
		(B.Sc.Ist semester) Paper code-1.2 Cell Biology	<ul style="list-style-type: none"> • Mitosis and Meiosis • Brief Account of causes of Cancer • Golgi body • Endoplasmic Reticulum • Lysosomes 	Seminar on Cancer and its management	

		(B.Sc.V th semester) Paper-I Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> • Captive and Culture Fisheries • Fresh water fisheries of India: River system, Reservoir System, • Fishing crafts and gears • Culture of Fin Fishes • Prawn (Crustacean) Culture • Mollusc culture 		Maps of rivers and reservoirs in India
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For the month of October, 2017

S no.	Name of Assistant Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignments/ Tests to be given to students
	Dr. Bindu Rani	Zoology			
		(B.Sc.I st semester) Paper code-1.1 Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> • Canal System in sponges • Spicules in Sponges • Corals and coral reefs • Polymorphism in Siphonophores • Phylum Aschelminthes: General characters and classification up to order • Economic importance of helminthes 		Project report on topics related to syllabus
		Paper code-1.2 Cell Biology	<ul style="list-style-type: none"> • Plasma membrane: Fluid mosaic model, modes of transport, endocytosis and exocytosis • Ultrastructure and functions of nucleus 		3D Model preparation on topics related to syllabus
		(B.Sc.V th semester) Paper-I Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> • Cold water Fisheries, • Pond Culture • Tank culture • Cage Culture • Polyculture • Sewage water fisheries 		

For the month of November, 2017

S no.	Name of Assistant Professor	Subject	Topics/Chapters to be covered	Academic activity to be organized	Topic of Assignments/ Tests to be given to students
	Dr. Bindu Rani	Zoology			
		(B.Sc.I st semester) Paper code-1.1 Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> Brief account of life history of <i>Schistosoma</i>, <i>Ancyclostoma</i>, <i>Trichinella</i>, <i>Wuchereria</i> and <i>Oxyuris</i> 		
		Paper code-1.2 Cell Biology	<ul style="list-style-type: none"> Euchromatin and heterochromatin Lampbrush chromosomes Polytene chromosomes 		
		(B.Sc. V th semester) Paper-I Life and Diversity from Protozoa to Helminthes	<ul style="list-style-type: none"> Biotechnology in aquaculture Gene manipulation Cryopreservation of gametes 		

Name of College: G.V.M COLLEGE **Academic Session:** 2017-18 **Semester:** Odd **For the month of** JULY-NOVEMBER, 2017

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>Month</i>	<i>Subject</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organized</i>	<i>Topic of Assignments/Tests to be given to the students</i>
	Dr. Anita Saini	July	Botany B.Sc. 1 st sem. Bot.1.1(Diversity of microbes)	Algae: General characteristics , economic importance, and life history of Volvox and Oedogonium	Discussion	Diagrams of Life cycles
		July	B.Sc. 5 th sem. Bot. 5.1(plant physiology)	Plant water relations – importance of H ₂ O, physical properties, imbibition, diffusion, absorption, transport of H ₂ O, transpiration	Discussion	Revision of different theories
		August	Botany B.Sc. 1 st sem. Bot.1.1(diversity of microbes)	Type studies Vaucheria Ectocarpus Polysiphonia Cyanobacteria bacteria	Discussion	Diagrams of Life cycles Class tests
		August	B.Sc. 5 th sem. Bot. 5.1(plant physiology)	Mineral nutrition ,transport of organic substances	Discussion	Revision of different theories Class tests
		September	Botany B.Sc. 1 st sem. Bot.1.1(diversity of microbes)	Cell division, mitosis, meiosis General characteristics, classification and economic importance of fungi Phyophthoria Mucor Penicillium Puccinia Agaricus	Discussion	Diagrams of Life cycles Class tests

		September	B.Sc. 5 th sem. Bot. 5.1(plant physiology)	Photosynthesis- significance Pigments Z scheme C3 and C4 pathways CAM plants photorespiration	Seminar on growth and development	Practice C3 and C4 cycles and class tests
		October	Botany B.Sc. 1 st sem. Bot.1.1(diver sity of microbes) Bot.1.2 cell biology	Type study Colletotrichum General characteristics of lichens General characteristics of viruses Nucleus golgi bodies chloroplast mitochondria lysosome	Seminars on Cell wall Plasma membrane Peroxisomes Vacuoles Endoplasmic reticulum	Class tests and discussion
		October	B.Sc. 5 th sem. Bot. 5.1(plant physiology)	Seed dormancy Plant movements Photoperiodism Physiology of flowering Senescence and fruit ripening	discussion	Class tests and assignments
		November	Botany B.Sc. 1 st sem	Chromosomes Chromosomal alterations	Revision test oral	Questionnaire revision
		November	B.Sc. 5 th sem. Bot. 5.1(plant physiology)	Plant growth hormones Photomorphogenesisphytochrome discovery role and mechanism of action	Revision test oral	Questionnaire revision

Name of college-G.V.M. GIRLS COLLEGE SONEPAT

Academic session-2017-2018

Semester –odd

For the month of July, 2017

S.No.	Name of Assistant/Associate Professor	Subject	Topics /chapters to be covered	Academic activity to be organized	Topic of Assignments/Tests to be given ton the students
1	Dr. Rashmi Jawa	Botany B.Sc (3) Sem (Bot3.2) Plant Anatomy	Tissues <ul style="list-style-type: none"> ▪ Meristmatic and permanent ▪ Tissue system ▪ Epidermal ▪ Ground ▪ vascular 	Discussion	Diagrams of tissue system
		B.Sc (5) Sem Bot(5.2) Ecology	Introduction to ecology <ul style="list-style-type: none"> • Definition • Scope and important • Levels of organization • Environment introduction 	Discussion	Diagram / flow chart of level of organization

For the month of august, 2017

S.NO	Name of Assistant/Associate Professor	Subject	Topics /chapters to be covered	Academic activity to be organized	Topic of Assignments/Tests to be given ton the students
1	Dr. Rashmi Jawa	Botany B.Sc(3) sem (Bot.3.2)	The shoot system : <ul style="list-style-type: none"> ▪ Shoot apical meristem The root system <ul style="list-style-type: none"> ▪ Root meristem ▪ Histological organization ▪ Secondary growth ▪ Structural modification Leaf : <ul style="list-style-type: none"> ▪ Types ▪ Anatomy ▪ Leaf abscission ▪ Stomatal apparatus 	Seminar on types of leaves	<ul style="list-style-type: none"> ▪ Class test ▪ Discussion on secondary growth
		B.Sc (5)sem (Bot 5.2)	<ul style="list-style-type: none"> ▪ Environmental factors ▪ Ecosystem ▪ Biogeochemical cycles ▪ Ecological succession 	Seminar on environmental factors	<ul style="list-style-type: none"> ▪ Class test ▪ Group discussion on biogeochemical cycles

For the month of September, 2017

S.NO	Name of Assistant/Associate Professor	Subject	Topics /chapters to be covered	Academic activity to be organized	Topic of Assignments/Tests to be given ton the students
1	Dr. Rashmi Jawa	Botany B.Sc(3)sem (Bot. 3.2) Bot(3.1)	<ul style="list-style-type: none"> ▪ Cambium ▪ Secondary growth in dicot stem ▪ Anomalous sec. growth in stem ▪ Morphology and anatomy - gymnosperms ▪ Life cycle of cycas ▪ General characters 	Seminar	Assignment on anomalous sec. growth
		B.Sc (5)sem (5.2)	<ul style="list-style-type: none"> ▪ Environmental pollution ▪ Phytogeography ▪ Adaptations 	Seminar	Project on environmental pollution

For the month of October, 2017

S.NO	Name of Assistant/Associate Professor	Subject	Topics /chapters to be covered	Academic activity to be organized	Topic of Assignments/Tests to be given ton the students
1	Dr. Rashmi Jawa	Botany B.Sc(3)sem (Bot. 3.1)	Life cycle : ▪ Pinus ▪ Ephedra Economic importance ▪ Palaeobotany	Class test (oral)	▪ Diagrams and flow chart ▪ Assignment on “life cycles”
		B.Sc (5)sem (Bot5.2)	▪ Community ecology ▪ Population ecology	Class test	Assignment Notes preparation on community and population characteristics

For the month of November, 2017

Name of Assistant/Associate Professor	Subject	Topics /chapters to be covered	Academic activity to be organized	Topic of Assignments/Tests to be given ton the students
Dr. Rashmi Jawa	Botany B.Sc(3)sem (Bot. 3.1)	▪ Geological time scales ▪ Gymnosperm classification ▪ Origin and evolution of angiosperms	Class test	▪ Questionnaire(to be solved) ▪ Revision
	B.Sc(5)sem (Bot5.2)	Global change ▪ Biomagnification ▪ Carbon trading ▪ Green house effect ▪ Ozone layer depletion ▪ Global warming	Revision test	▪ Questionnaire(to be solved) ▪ Revision

Name of College: G.V.M. Girls College Sonipat **Academic Session:** 2017-18 **Semester:** Odd/Even **For the month of** July-Nov. 2017

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>Subject</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organized</i>	<i>Topic of Assignments/Tests to be given to the students</i>
	Nidhi (Associate Professor)	Organic Chemistry B.Sc. II NM (B) B.Sc. II Med.	July Alcohols -monohydric alcohol nomenclature, methods of formation August Hydrogen bonding. Acidic nature. Reactions of alcohols. Dihydric alcohols — nomenclature, methods of formation, chemical reactions of vicinal glycols, oxidative cleavage and pinacol-pinacolone rearrangement. Phenols - Nomenclature, structure and bonding. Preparation of phenols, physical properties and acidic character. Comparative acidic strengths of alcohols and phenols, resonance stabilization of phenoxide ion. Reactions of phenols, Mechanisms of Fries rearrangement, Claisen rearrangement, Reimer-Tiemann reaction, Kolbe's reaction and S.B reactions. Epoxides -Synthesis of epoxides. Acid and base-	August - Black Board Presentation by students on reactions & mechanisms of alcohols.	July -Revision of previous topics. August - Assignment & Test on Alcohols September - Assignment: Phenols

			<p>catalyzed ring opening of epoxides, orientation of ring opening, reactions with Grignard and organolithium reagents</p> <p>September Ultraviolet (UV) absorption spectroscopy- Absorption laws (Beer-Lambert law), molar absorptivity, presentation and analysis of UV spectra, types of electronic transitions, effect of conjugation. Concept of chromophore and auxochrome. Bathochromic, hypsochromic, hyperchromic and hypochromic shifts. UV spectra of conjugated enes and enones, Woodward-Fieser rules, calculation of max of simple conjugated dienes-unsaturated ketones, Applications of UV.</p> <p>October Carboxylic Acids & Acid Derivatives- Nomenclature of Carboxylic acids, structure and bonding, physical properties, acidity of carboxylic acids, effects of substituents on acid strength, Preparation of carboxylic acids, Reactions of carboxylic acids, H.V.Z., Reduction of carboxylic acids, decarboxylation,</p>	<p>September- Discussions on Phenols. Power Point Presentation on Ultraviolet (UV) absorption spectroscopy.</p> <p>October- Numerical solving of Ultraviolet (UV) spectroscopy</p> <p>November- Summary notes & charts of Preparation of carboxylic acids & Reactions of carboxylic acids.</p>	<p>October-Test: Ultraviolet (UV) spectroscopy</p> <p>November –Black Board revision of Mechanisms</p>
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			November- Structure, nomenclature and preparation of acid chlorides, esters, amides and acid anhydrides, stability of acyl derivatives, Physical properties, interconversion of acid derivatives by nucleophilic acyl substitution, Mechanisms of esterification and hydrolysis (acidic and basic). & Revision		
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Name of College: G.V.M. Girls College Sonipat **Academic Session:** 2017-18 **Semester:** Odd/Even **For the month of** July-Nov. 2017

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>Subject</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organized</i>	<i>Topic of Assignments/Tests to be given to the students</i>
	Nidhi (Associate Professor)	Organic Chemistry B.Sc. III NM (B)	July- Carbohydrates-I Classification and nomenclature of Monosaccharides. August- mechanism of osazone formation, interconversion of glucose and fructose, chain lengthening and chain shortening of aldoses. Configuration of monosaccharides. Erythro and threo diastereomers. Conversion of glucose into mannose.	August- Black Board Presentation by students on Carbohydrates.	August- Assignment & Test on Carbohydrates.

			<p>Formation of glycosides, ethers and esters. Determination of ring size of glucose and fructose. Open chain and cyclic structure of D(+)-glucose & D(-) fructose. Mechanism of mutarotation. Structures of ribose and deoxyribose. September- 1. Carbohydrates-II An introduction to disaccharides (maltose, sucrose and lactose) and polysaccharides (starch and cellulose) without involving structure determination. 2. Organometallic Compounds Organomagnesium compounds: the Grignard reagents-formation, structure and chemical reactions. Organozinc compounds: formation and chemical reactions. Organolithium compounds: formation and chemical reactions. NMR Spectroscopy-I Principle of nuclear magnetic</p>	<p>September- Discussions on disaccharides and Polysaccharides.</p> <p>October-Power Point Presentation on NMR Spectroscopy & Practice of numerical solving.</p>	<p>September- Assignment & Test on Carbohydrates.</p> <p>October- Assignment on NMR Spectroscopy.</p>
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			<p>resonance, the PMR spectrum, number of signals, peak areas, equivalent and nonequivalent protons</p> <p>October- positions of signals and chemical shift, shielding and deshielding of protons, proton counting, splitting of signals and coupling constants, magnetic equivalence of protons..NMR Spectroscopy-II</p> <p>Discussion of PMR spectra of the molecules: ethyl bromide, n-propyl bromide, isopropyl bromide, 1,1-dibromoethane, 1,1,2-tribromoethane, ethanol, acetaldehyde, ethyl acetate, toluene, benzaldehyde and acetophenone..Simple problems on PMR spectroscopy for structure determination of organic compounds.</p> <p>November- Revision</p>	<p>November-Group discussion on spectra</p>	<p>November-Test on Spectroscopy.</p>
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Name of college: **G.V.M. GIRLS COLLEGE, SONIPAT** Academic session: 2017-2018 Semester: Odd For the month of **JULY, 2017**

S . No.	Name of Assistant/Associate Professor	S u b j e c t	Topics/Chapters to be covered	Academic activity to be organised	Topic of Assignments/Tests to be given to the students
	Ms. Sunita Dhawan	B.Sc. I(Inorganic Chemistry)	ATOMIC STRUCTURE - De-Broglie matter waves Heisenberg uncertainty principle Schrodinger wave equation	Discussion on the discoveries leading to atomic structure	
		B.Sc. II(INORGANIC CHEMISTRY)	d BLOCK ELEMENTS I n t r o d u c t i o n Electronic configuration Position in the periodic table Atomic and ionic radii D e n s i t y Melting and boiling point	Rules for writing electronic configuration	Periodic table and transition series to be drawn in notebooks

AUGUST, 2017

S . No.	Name of Assistant/Associate Professor	S u b j e c t	Topics/Chapters to be covered	Academic activity to be organised	Topic of Assignments/Tests to be given to the students
	Ms. Sunita Dhawan	B.Sc. II(Inorganic Chemistry)	<ul style="list-style-type: none"> Shapes of atomic orbitals Quantum number Radial and angular wave functions Probability distribution curves Aufbau's, Pauli's and Hund's Rules Z Effective, Slater's rule 	Class discussion on electronic configuration of elements	<ul style="list-style-type: none"> Assignment on plots of $R(r)$ Vs r, ψ Vs r, $\psi^2 dv$ Black board test

		B.Sc. II(INORGANIC CHEMISTRY)	<ul style="list-style-type: none"> • Properties of d block elements • Comparison of 3d with 4d and 5d • Stereochemistry 	Stereochemistry through 3D models	Class test of first transition series
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SEPTEMBER, 2017

S. No.	Name of Assistant/Associate Professor	S u b j e c t	Topics/Chapters to be covered	Academic activity to be organised	Topic of Assignments/Tests to be given to the students
	Ms. Sunita Dhawan	B.Sc. I(Inorganic Chemistry)	PERIODIC PROPERTIES <ul style="list-style-type: none"> • Periodic law • Atomic and ionic radii • Ionisation energy • Electron affinity • Electronegativity and scale COVALENT BONDING <ul style="list-style-type: none"> • Numerical • Valence bond theory • Hybridisation 	Exhibition on models to explain hybridisation	<ul style="list-style-type: none"> • Assignment on reasoning questions • Assignment on shapes of molecules • Class tests
		B.Sc. II(INORGANIC CHEMISTRY)	<ul style="list-style-type: none"> • Compounds of transition elements • Coordination compounds • Terms • Werner's theory • EAN Rule • Chelate effect • Nomenclature • Isomerism 	Seminar on various topics of coordination compounds	<ul style="list-style-type: none"> • Class test of nomenclature • Assignment on isomerism

OCTOBER, 2017

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>S u b j e c t</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organised</i>	<i>Topic of Assignments/Tests to be given to the students</i>
	<i>Ms. Sunita Dhawan</i>	<i>B.Sc. I(Inorganic Chemistry)</i>	<i>COVALENT BONDING</i> <ul style="list-style-type: none"> <i>• V S E P R T h e o r y</i> <i>• M . O . T</i> <i>• Bond energy and bond strength</i> <i>• % ionic character</i> <i>I O N I C S O L I D S</i> <ul style="list-style-type: none"> <i>• Radius ratio rule</i> <i>• Ionic structure</i> 	<i>Exhibition on models to explain VSEPR</i>	<i>Assignment on molecular orbital theory and MOED</i>
		<i>B.Sc. II(INORGANIC CHEMISTRY)</i>	<i>COORDINATION COMPOUNDS</i> <ul style="list-style-type: none"> <i>• V . B . T</i> <i>• L i m i t a t i o n</i> <i>NON AQUEOUS SOLVENTS</i> <ul style="list-style-type: none"> <i>• Physical properties</i> <i>• Types of solvents</i> <i>• Types of reactions</i> <i>• Reactions in liq.NH₃</i> 	<i>Discussion of concepts</i>	<i>Class test of coordination compounds</i>

NOVEMBER, 2017

<i>S. No.</i>	<i>Name of Assistant/Associate Professor</i>	<i>S u b j e c t</i>	<i>Topics/Chapters to be covered</i>	<i>Academic activity to be organised</i>	<i>Topic of Assignments/Tests to be given to the students</i>
	<i>Ms. Sunita Dhawan</i>	<i>B.Sc. I(Inorganic Chemistry)</i>	<i>I O N I C S O L I D S</i> <ul style="list-style-type: none"> <i>• D e f e c t</i> <i>• S e m i c o n d u c t o r</i> <i>• L a t t i c e e n e r g</i> <i>• B o r n H a b e r c y c</i> <i>• S o l v a t i o n e n e r g</i> <i>• F a j a n ' s R u l</i> <i>• P o l a r i s a t i o</i> 	<ul style="list-style-type: none"> <i>• S e m i n a r s o n d i f f e r e n t t o p</i> <i>• P r o b l e m s o f s t u d e n</i> 	<ul style="list-style-type: none"> <i>• C l a s s t e s t o f i o n i c s o l i</i> <i>• B l u e p r i n t o f q u e s t i o n p a p e r g i v e n i n t h e f o r m o f</i>
		<i>B.Sc. II(INORGANIC CHEMISTRY)</i>	<i>NON AQUEOUS SOLVENTS</i> <ul style="list-style-type: none"> <i>• L i q. S O ₂ a s s o l v e n</i> <i>• R e a c t i o n</i> 	<i>Problems of students discussed in class</i>	<i>Assignment on complete the reactions</i> <i>Test of the complete syllabus</i>