



K.K.DAS COLLEGE

GRH-17, BAISHNABGHATA-PATULI, KOLKATA-700084

DEPARTMENT OF COMMERCE

PROGRAMME BACHELOR OF COMMERCE (CBCS)

ACADEMIC PLAN

SESSION 2021-22

SEMESTER-I (HONS)

SEM-I (H)-2020-2021					
YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
1ST	FINANCIAL ACCOUNTING –I	1	Introduction	SM	DEC
	CC 1.1 Ch	2	Concepts for determination of business income	RS	DEC
		3	Introduction to Accounting Standard	SM	DEC
			Introduction to Accounting Theory	RS	DEC
		4	Final accounts of Trading Concern	SM	JAN
		5	Financial statements from Incomplete records and of NPO	SM	FEB
		6	Accounting for special sales transaction	RS	JAN
			Sectional and Self balancing ledger	RS	FEB
			Insurance claim for loss of stock and for loss of profit	RS	FEB
			Internal Assessment		MAR
	C U Examination		MAR		
SEM-I (H) 2020-2021	Business Laws	1	The Indian Contract Act, 1872	BP	DEC-JAN
YEAR	CC 1.1 Chg	2	The Sale of Goods Act, 1930	SS	DEC
1ST		3	Partnership Laws	BP	JAN
			The Limited Liability Partnership Act, 2008	BP	FEB
		4	The Negotiable Instruments Act 1881	SS	JAN
		5	Consumers Protection Act, 1986	BP	FEB
			Internal Assessment		MAR
			C U Examination		MAR
SEM-I (H) 2020-2021					
YEAR	Principles of Management	1	Introduction	BP	DEC
1ST	CC 1.2 Chg	2	Planning	RP	DEC-JAN
		3	Organizing	BP	JAN
		4	Directing and Staffing	BP	FEB
		5	Motivation, Co-ordination and Control	RP	FEB
			Internal Assessment		MAR
			C U Examination		MAR
	Statistics				
	CC1.1Chg	1	Fundamental of Statistics	AA	Dec

		2	Measures of Central Tendency	AA	DEC-JAN
		3	Measures of Dispersion	AA	JAN
		4	Moments, Skewness and Kurtosis	AA	FEB
		5	Interpolation	AA	FEB
			Internal Assessment		MAR
			C U Examination		MAR
	Economics				
1ST		1	Demand & Consumer Behaviour	SKG	Dec-Jan
		2	Production & Cost	SG	Dec
		3	Perfect Competition	SKG	Jan-Feb
			Internal Assessment		MAR
			C U Examination		MAR

SEMESTER-I (GEN)

SEM-I (G)-2020-2021					
YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
1ST	FINANCIAL ACCOUNTING –I	1	Introduction	RP	DEC
		2	Concepts for determination of business income	RS	DEC
		3	Introduction to Accounting Standard	RP	DEC
			Introduction to Accounting Theory	RS	DEC
		4	Final accounts of Trading Concern	RP	JAN
		5	Financial statements from Incomplete records and of NPO	RP	FEB
		6	Accounting for special sales transaction	RS	JAN
			Sectional and Self balancing ledger	RS	FEB
			Insurance claim for loss of stock and for loss of profit	RS	FEB
			Internal Assessment		MAR
	C U Examination		MAR		
SEM-I (G) 2020-2021	Business Laws	1	The Indian Contract Act, 1872	BP	DEC-JAN
YEAR	CC 1.1 Chg	2	The Sale of Goods Act, 1930	SS	DEC
1ST		3	Partnership Laws	BP	JAN
			The Limited Liability Partnership Act, 2008	BP	FEB

		4	The Negotiable Instruments Act 1881	SS	JAN
		5	Consumers Protection Act, 1986	BP	FEB
			Internal Assessment		MAR
			C U Examination		MAR
SEM-I (G) 2020-2021					
	Principles of Management	1	Introduction	BP	DEC
YEAR	CC 1.2 Chg	2	Planning	RS	DEC-JAN
1ST		3	Organizing	BP	JAN
		4	Directing and Staffing	BP	FEB
		5	Motivation, Co-ordination and Control	RS	FEB
			Internal Assessment		MAR
			C U Examination		MAR
	Statistics				
	CC1.1Chg	1	Fundamental of Statistics	AA	Dec
		2	Measures of Central Tendency	AA	DEC-JAN
		3	Measures of Dispersion	AA	JAN
		4	Moments, Skewness and Kurtosis	AA	FEB
		5	Interpolation	AA	FEB
			Internal Assessment		MAR
			C U Examination		MAR
	Economics		Demand & Consumer Behaviour	SKG	Dec-Jan
			Production & Cost	SG	Dec
			Perfect Competition	SKG	Jan-Feb
			Internal Assessment		MAR
			C U Examination		MAR

SEMESTER-II(HONS)

YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH	
	E-COMMERCE	1	Introduction	AS	Apr	
		2	E-CRM and SCM	RP	Apr	
		3	Digital Payment	AS	May	
		4	ERP	RP	May-June	
		5	New Trends in E-Commerce	AS	June	
	GE 2.1 Chg			Internal Assessment		July
				C U Examination		July
1ST	B Communication	1	Introduction	SM	Apr	
		2	Types of Communication	SM	May	
		3	Tools of Communication	SM	Jun	
		4	Drafting	SS	Apr-June	
			Internal Assessment		July	
			C U Examination		July	
1ST	Company Law	1	Introduction To Company Law	BP	Apr	
		2	FORMATION OF A COMPANY[	BP	Apr
		3	COMPANY ADMINISTRATION[	BP	May
		4	SHARE CAPITAL & DEBENTURE[	BP	May
		5	CORPORATE MEETINGS	BP	June	
	CC2.1 Chg			Internal Assessment		July
			C U Examination		July	
1ST	Marketing Management	1	Introduction	BP	Apr	
		2	Consumer Behavior and Market segmentation:	RP	Apr	
		3	Product:	BP	May	
		4	Pricing, Distribution Channels and Physical Distribution	RP	May	
		5	Promotion and Recent developments in marketing:	BP	June	
		CC 2.2 Chg	Internal Assessment		July	
		M-I	C U Examination		July	
1ST	Human Resource Management	1	Nature and Scope	RS	Apr	
		2	Human Resource Planning	RP	Apr	
		3	Recruitment and Selection	RS	May	
		4	Training and Development	RS	May	
		5	Job Evaluation and Performance Appraisal	RP	June	
		CC 2.2 Chg	Internal Assessment		July	
		M-II	C U Examination		July	

1ST	COST AND MANAGEMENT ACCOUNTING – I	1	Introduction Definition, Cost concepts, terms and classification of costs: Cost. Costing Methods and Techniques	RS	Apr
		2	Material Costs :Purchase of materials: Storage of materials: Materials control: Methods of Pricing Material Issues: Treatment of Normal and Abnormal Loss of Materials	SM	Apr
		3	Employee Cost and Incentive Systems	RS	May
		4	Overhead and Cost Statement		July
		5	Cost Book Keeping :Non-Integrated System: Reconciliation:	RP	June
		6	Costing Method :Job Costing ,Contract Costing ,Service Costing and Output Costing-Process Costing:	SS	June
			Internal Assessment		July
			C U Examination		July

SEMESTER-II(GEN)

YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH		
1ST	E-COMMERCE	1	Introduction	AS	Apr		
		2	E-CRM and SCM	RP	Apr		
		3	Digital Payment	AS	May		
		4	ERP	RP	May-June		
		5	New Trends in E-Commerce	AS	June		
	GE 2.1 Chg		Internal Assessment			July	
			C U Examination			July	
1ST	B Communication	1	Introduction	SM	Apr		
		2	Types of Communication	SM	May		
		3	Tools of Communication	SM	Jun		
		4	Drafting	SS	Apr-June		
				Internal Assessment			July
				C U Examination			July
1ST	Company Law	1	Introduction To Company Law	BP	Apr		
		2	FORMATION OF A COMPANY[	BP	Apr	
		3	COMPANY ADMINISTRATION[	BP	May	
		4	SHARE CAPITAL & DEBENTURE[	BP	May	
		5	CORPORATE MEETINGS	BP	June		
	CC2.1 Chg		Internal Assessment			July	
			C U Examination			July	
1ST	Marketing Management	1	Introduction	BP	Apr		
		2	Consumer Behaviour and Market segmentation:	RP	Apr		
		3	Product:	BP	May		
		4	Pricing, Distribution Channels and Physical Distribution	RP	May		
		5	Promotion and Recent developments in marketing:	BP	June		
		CC 2.2 Chg	Internal Assessment			July	
		M-I	C U Examination			July	
1ST	Human Resource Management	1	Nature and Scope	RS	Apr		
		2	Human Resource Planning	RP	Apr		
		3	Recruitment and Selection	RS	May		
		4	Training and Development	RS	May		
		5	Job Evaluation and Performance Appraisal	RP	June		
		CC 2.2 Chg	Internal Assessment			July	
		M-II	C U Examination			July	

1ST	COST AND MANAGEMENT ACCOUNTING - I	1	Introduction Definition, Cost concepts, terms and classification of costs: Cost. Costing Methods and Techniques	RP	Apr
		2	Material Costs :Purchase of materials: Storage of materials: Materials control: Methods of Pricing Material Issues: Treatment of Normal and Abnormal Loss of Materials	SS	Apr
		3	Employee Cost and Incentive Systems	RP	May
		4	Overhead and Cost Statement	SM	May
		5	Cost Book Keeping :Non-Integrated System: Reconciliation:	RS	June
		6	Costing Method :Job Costing ,Contract Costing ,Service Costing and Output Costing-Process Costing:	SM	June
		CC	Internal Assessment		July
		2.1Ch	C U Examination		July

SEMESTER-III (HONS)

SEM-III (H)-2020-2021					
YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
2ND	Financial Accounting II	1	Partnership accounts-I	RS	AUG-SEPT
		2	Partnership accounts-II	RS	NOV-DEC
	CC3.1 Ch	3	Branch accounting	SM	AUG
			Hire purchase and Installment payment system	SM	SEPT
		4	Departmental accounts	RS	FEB
	5	Investment Accounts	SM	NOV-DEC	
	6	Business Acquisition and Conversion of partnership into limited company	SM	JAN-FEB	
		Internal Assessment		MAR	
		C U Examination		MAR	
SEM-III (H)	Indian Financial System	1	Financial System and Its Components	SM	AUG-SEPT
YEAR	CC3.2 Ch	2	Financial Markets	RP	AUG-SEPT
2ND			Money Market	RP	NOV-DEC
			Capital Market:	RP	JAN-FEB
		3	Financial Institutions	SM	NOV
		4	Financial Services	SM	DEC
5		Investors' Protection	SM	JAN-FEB	
		Internal Assessment		MAR	
	C U Examination		MAR		

SEM-III (H)	Statistics	1	Correlation and Association	AA	AUG
YEAR	GE 3.3 Chg	2	Regression Analysis	AA	SEPT
2ND		3	Index Numbers	AA	NOV
		4	Time Series Analysis	AA	DEC
		5	Probability Theory	AA	JAN-FEB
			Internal Assessment		MAR
			C U Examination		MAR

SEMSTER-3(GEN)

SEM-III (G)-2020-2021					
YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
2ND	Financial Accounting II	1	Partnership accounts-I	SS	AUG-SEPT
	CC3.1 Ch	2	Partnership accounts-II	SS	NOV-DEC
		3	Branch accounting	BP	AUG
			Hire purchase and Installment payment system	BP	SEPT
		4	Departmental accounts	BP	FEB
		5	Investment Accounts	SS	NOV-DEC
		6	Business Acquisition and Conversion of partnership into limited company	SS	JAN-FEB
			Internal Assessment		MAR
			C U Examination		MAR

SEM-III (G)	Statistics (Module-II)				
		1	Correlation and Association	AA	AUG
YEAR	GE 3.3 Chg	2	Regression Analysis	AA	SEPT
2ND		3	Index Numbers	AA	NOV
		4	Time Series Analysis	AA	DEC
		5	Probability Theory	AA	JAN-FEB
			Internal Assessment		MAR
			C U Examination		MAR

SEMESTER-IV(HONS)					
SEM-IV (H)					
YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
2ND	TAXATION-I	1a	Basic Concepts and Definitions under IT Act	SS	Apr
	CC 4.1 Ch	b	Residential Status and Incidence of Tax	SS	Apr
		c	Incomes which do not form part of Total Income,	SS	Apr
			Except sections 10A, 10AA, 10B, 10BA& Agricultural Income	SS	Apr
		2	Heads of Income and Provisions governing Heads of Income	SS	May
		a	Income from salary	RP	Apr
		b	Income from house proerty	RP	May
		3	Heads of Income and Provisions governing Heads of Income		
		a	Profits and Gains of Business and Profession	RP	June
		b	Capital Gains	RP	June
		c	Income from Other Sources	SS	May
		4a	Income of other Persons included in Assessee's Total Income		
		b	Set off and Carry Forward of Losses	SS	June
		c	Deductions from Gross Total Income	RP	May
		d	Rebate u/s 87A	SS	June
			Internal Assessment		July
		C U Examination		July	
2ND	COST & MGT	1	Joint Prdouct & by product	SM	Apr
	CC 4.2 Ch	2	Activity Based Costing	RS	May
		3	Budget and Budgetary Control;	RS	Jun
		4	Standard Costing;	RS	Apr
		5	CVP Analysis ,Marginal Costing and Management Decisions	SM	May
		6	Short-term Decision Making	SM	Jun
			Internal Assessment		July
			C U Examination		July
	EDB	1	Introduction:	BP	Apr

	CC 4.1 Chg	2	Public and private system of stimulation, support and sustainability of entrepreneurship. Requirement, availability and access to finance, marketing assistance, technology, industrial accommodation, Role of industries/entrepreneur's associations and self-help groups, The concept, role and functions of business incubators, angel investors, venture and capital and private equity fund.	BP	Apr
		3	Sources of business ideas and tests of feasibility. Significance of writing the business plan/project proposal; Contents of business plan/ project proposal; Designing business processes, location, layout, operation, planning & control; preparation of project report	BP	May
		4	Mobilizing Resources - Mobilizing resources for start-up. Accommodation and utilities; Preliminary contracts with the vendors, suppliers, bankers, principal customers; Basic startup problems;	BP	Jun
			Internal Assessment		Jul
			C U Examination		Jul
2ND	Business Ethics	1	Introduction – Meaning - Scope – Types of Ethics – features – Factors influencing Business Ethics – significance of Business Ethics - Arguments for and against business ethics- Basics of business ethics - Corporate Social Responsibility and Business Ethics	BP	Apr
	CC 4.1 Chg	2	Principles of Business Ethics Introduction – Meaning – Element – Ethics, Morale, Business ethics, Ethical dilemma [basic idea, features and significance of each of element]	BP	Apr
		3	Ethics in Management Introduction – Ethics in HRM – Ethics in Marketing — Ethics in Accounting and finance -Work place Ethics - Value and Ethics.	BP	May
		4	Meaning – Role – Functions – Impact of Corporate Culture – Globalization and cross culture issues in ethics, Corporate Code of ethics	BP	Jun
		5	Ethics & Corporate Governance Concept of Corporate Governance, Scope, Reports on Corporate Governance and its benefits and limitations-- Corporate Governance and Business Ethics [Brief Concept]	BP	Jun
			Internal Assessment		JULY
			C U Examination		JULY

SEMESTER-IV(GEN)

SEM-IV (G)					
YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
2ND	TAXATION-I	1a	Basic Concepts and Definitions under IT Act	SS	Apr
	CC 4.1 Ch	b	Residential Status and Incidence of Tax	SS	Apr
		c	Incomes which do not form part of Total Income,	SS	Apr
			Except sections 10A, 10AA, 10B, 10BA& Agricultural Income	SS	Apr
		2	Heads of Income and Provisions governing Heads of Income	SS	May
		a	Income from salary	RP	Apr
		b	Income from house prorety	RP	May
		3	Heads of Income and Provisions governing Heads of Income		
		a	Profits and Gains of Business and Profession	RP	June
		b	Capital Gains	RP	June
		c	Income from Other Sources	SS	May
		4a	Income of other Persons included in Assessee's Total Income		
		b	Set off and Carry Forward of Losses	SS	June
		c	Deductions from Gross Total Income	RP	May
		d	Rebate u/s 87A	SS	June
			Internal Assessment		July
	C U Examination		July		
2ND	COST & MGT	1	Joint Prdouct & by product	SM	Apr
	CC 4.2 Ch	2	Activity Based Costing	RS	May
		3	Budget and Budgetary Control;	RS	Jun
		4	Standard Costing;	RS	Apr
		5	CVP Analysis ,Marginal Costing and Management Decisions	SM	May
		6	Short-term Decision Making	SM	Jun
			Internal Assessment		July
			C U Examination		July
2ND	EDB	1	Introduction:	BP	Apr
	CC 4.1 Chg	2	Public and private system of stimulation, support and sustainability of entrepreneurship. Requirement, availability and access to finance, marketing assistance, technology, industrial accommodation, Role of industries/entrepreneur's associations and self-help groups, The concept, role and functions of business incubators, angel investors, venture and capital and private equity fund.	BP	Apr

		3	Sources of business ideas and tests of feasibility. Significance of writing the business plan/project proposal; Contents of business plan/ project proposal; Designing business processes,location, layout, operation, planning & control; preparation of project report	BP	May
		4	Mobilizing Resources - Mobilizing resources for start-up. Accommodation and utilities;Preliminary contracts with the vendors, suppliers, bankers, principal customers; Basic startup problems;	BP	Jun
			Internal Assessment		Jul
			C U Examination		Jul
2ND	Business Ethics	1	Introduction – Meaning - Scope – Types of Ethics – features – Factors influencing Business Ethics – significance of Business Ethics - Arguments for and against business ethics- Basics of business ethics - Corporate Social Responsibility and Business Ethics	BP	Apr
	CC 4.1 Chg	2	Principles of Business Ethics Introduction – Meaning – Element – Ethics, Morale, Business ethics, Ethical dilemma [basic idea, features and significance of each of element]	BP	Apr
		3	Ethics in Management Introduction – Ethics in HRM – Ethics in Marketing — Ethics in Accounting and finance -Work place Ethics - Value and Ethics.	BP	May
		4	Meaning – Role – Functions – Impact of Corporate Culture – Globalization and cross culture issues in ethics, Corporate Code of ethics	BP	Jun
		5	Ethics & Corporate Governance Concept of Corporate Governance, Scope, Reports on Corporate Governance and its benefits and limitations-- Corporate Governance and Business Ethics [Brief Concept]	BP	Jun
			Internal Assessment		JULY
			C U Examination		JULY

SEMESTER-V(HONS)

SEMESTER-V(HONS)							
SEM-V (H)-2020-2021							
YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH		
3RD	TAXATION-II	1	Computation of Total Income and Tax Payable				
	CC 5.2 Ch	a	Rate of tax applicable to different assessee (except corporate assessee)	SS	Aug		
		b	Computation of tax liability of an individual, Firm (excluding application of	SS	Sep		
		2	TAX MANAGEMENT				
		a	Provision for Filing of Return Date of filing of return, relevant forms of return, different types of returns, return by whom to be signed, PAN, TAN	RP	Aug		
		b	Assessment of Return- Self assessment u/s140A, Summary assessment u/s 143(1), Scrutiny assessment u/s 143(3) and Best judgement assessment u/s 144.	RP	Aug		
		c	Advance Tax--Who is liable to pay, due dates and computation of advance tax (excluding corporate assessee)	RP	Sep		
		d	Interest & Fees-- Section 234A, 234B, 234C, 234F (simple problems on interest and fees)	RP	Sep		
		e	TDS-- Provisions regarding TDS from salary, interest on securities, horse racing,	RP	Oct		
		3	Basic Concepts of Indirect Tax and overview of GST	SS	Nov		
		4	Taxable event ,supply –Concept, time, value and place, charge of GST:	SS	Dec		
		5	Input And Out Put Tax Computation, Input Tax Credit (ITC) and Composite Scheme under GST:	SS	Jan-Feb		
		6	Customs				
			Basic concepts, Taxable event, Territorial water, Indian customs water, Goods,	RP	Nov		
			Types of Customs duties – Basic, Additional, Protective, Safeguard, Counter-	RP	Dec		
			veiling duty on subsidised goods, Anti Dumping, Valuation of Custom Duty.	RP	Jan-Feb		
			Intrnal Assessment		Mar		
			C U Examination		Mar		
		SEM-V (H)					
		YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
3RD		1	CONCEPT, NEED AND PURPOSE OF AUDIT	SM	Aug-Sep		
		2	AUDIT PROCEDURES AND TECHNIQUES	SS	Aug-Sep		

		3	AUDIT RISK AND INTERNAL CONTROL SYSTEM	SM	Oct-Nov
		4	VOUCHING, VERIFICATION AND VALUATION	SS	Oct-Nov
		5	COMPANY AUDIT	SM	Dec-Jan
		6	AUDIT REPORT AND CERTIFICATE	SS	Dec-Jan
		7	OTHER THRUST AREAS	SM	Feb
			Intrnal Assessment		Mar
			C U Examination		Mar
	CC 5.1 Ch				
	CORPORATE ACCOUNTING	1	Company –Introduction ,Accounting for Shares & debentures	RS	Aug-Sep
		2	Buy Back of Securities ,Redemption of Preference Shares	RP	Aug-Sep
3		Company Final,Accounts	RS	Oct-Dec	
4		Redemption of Debenture	RP	Oct	
5		Valuation--Goodwill & Shares	RS	Jan-Feb	
6		Amalgamation, Absorption and Reconstruction–Internal reconstruction	RP	Nov-Feb	
		Internal Assessment		Mar	
DSE 5.2 A		C U Examination		Mar	
	Economics				
	DSE 5.1A		Introduction Concepts and variables of Macroeconomics	MK	Aug
			National Income Accounting	MK	Aug-Sept
			Determination of Equilibrium Level of National Income Simple Keynesian Model	MK	Sept-Oct
			Commodity market and Money market equilibrium – IS-LM	DM	Oct-Nov
			Money, Inflation and Unemployment	DM	Nov-Dec

		1	CONCEPT, NEED AND PURPOSE OF AUDIT	SM	Aug-Sep
		2	AUDIT PROCEDURES AND TECHNIQUES	SS	Aug-Sep
		3	AUDIT RISK AND INTERNAL CONTROL SYSTEM	SM	Oct-Nov
		4	VOUCHING, VERIFICATION AND VALUATION	SS	Oct-Nov
		5	COMPANY AUDIT	SM	Dec-Jan
		6	AUDIT REPORT AND CERTIFICATE	SS	Dec-Jan
		7	OTHER THRUST AREAS	SM	Feb
	CC 5.1 Ch		Intrnal Assessment		Mar
			C U Examination		Mar
	CORPORATE ACCOUNTING				
		1	Company –Introduction ,Accounting for Shares & debentures	RS	Aug-Sep
		2	Buy Back of Securities ,Redemption of Preference Shares	RP	Aug-Sep
		3	Company Final,Accounts	RS	Oct-Dec
4		Redemption of Debenture	RP	Oct	
5		Valuation--Goodwill & Shares	RS	Jan-Feb	
	6	Amalgamation, Absorption and Reconstruction–Internal reconstruction	RP	Nov-Feb	
DSE 5.2 A		Intrnal Assessment		Mar	
		C U Examination		Mar	

SEMSETER-VI (HONS)

YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
3RD	FM	1	Introduction	RS	Apr
	DSE6.2A		Basic Concepts	RS	Apr
		2	Sources of Finance and Cost of Capital	RS	May
		3	Leverage and Capital Structure Theories	RS	June
		4	Working Capital Management (1)	SS	Apr
		5	Working Capital Management (2)	SS	Apr
		6	Capital Expenditure Decisions (1)	SS	May
		7	Capital Expenditure Decisions (2)	SS	Jun
		8	Dividend Decisions	SS	Jun
			Internal Assessment		JULY
			C U Examination		JULY
		FRFSA			
DSE6.1A		1	Holding Company	RP	Apr
		2	Standards Accounting	SM	Apr
		3	Fund Flow Statemnt	RP	May
		4	Cash Flow Statemnt	RP	June
		5	Introduction to Financial Statemnts Analysis	SM	May
		6	Accounting Ratios for FSA	SM	Jun
			Internal Assessment		JULY
			C U Examination		JULY
		COMPUTERISED ACCOUNTING SYSTEM AND E-FILING OF INCOMETAX	SEC6.1Ch g		
	1		Computerized Accounting Package: Using Generic Software		
	(a)		Company creation, ledger creation, order processing, accounting voucher, inventory voucher, memorandum voucher, invoicing, multiple godown handling, Transfer of materials across godowns, Bank Reconciliation	AS	Apr
	(b)		Cost Centre, Cost Category, Bill of Material (BoM), Budget and Controls	AS	Apr
	(c)		Payroll Accounting	AS	Apr
	(d)		TDS, GST	AS	May
	(e)		Back up & Restore, Export and Import data	AS	May
	2		Designing Computerized Accounting System	AS	June
	(a)		Introduction to DBMS Package – Table, Query, Form and Report	AS	June

		(b)	Designing Computerized Accounting System using DBMS Creating a voucher entry Form, Preparing ledgers, trial Package balance, profit & loss a/c, and balance sheet with Form wizard and Report	AS	June
		(c)	Designing Payroll System for Accounting using Form, Query, and Report	AS	June
		3	E-filing of Tax return		
		(a)	Preparation and submission of the Income Tax Return (ITR) offline/online for individual taxpayer [e-filing without using DSC and with using DSC, EVC]	SS	Apr
		(b)	View form 26AS, Upload return, View e-file returns, e-verification	SS	Apr
		(c)	Use of e-tax calculator (including interest calculation u/s 234A, 234B, 234C)	SS	May
		(d)	E-Pay tax (Challan No./ITNS 280, ITNS 281)	SS	Jun
		(e)	Preparation and submission online form 10E [Relief u/s 89(1)]	SS	Jun
			Internal Assessment		JULY
			C U Examination		JULY
			Project Work (Project Report - 50 + Viva-Voce Examination - 50)		Project Report Related work/Class		Apr-June
CC6.1Ch					
			Viva-Voce Examination		JULY

SEMESTER-VI(GEN)

YEAR	PAPER	UNIT	TOPIC	TEACHER	MONTH
3RD	FM		Introduction	RS	Jan
	DSE6.2A	1	Basic Concepts	RS	Feb
		2	Sources of Finance and Cost of Capital	RS	Mar
		3	Leverage and Capital Structure Theories	RS	Apr, May
		4	Working Capital Management (1)	SS	Jan
		5	Working Capital Management (2)	SS	Feb
		6	Capital Expenditure Decisions (1)	SS	Mar
		7	Capital Expenditure Decisions (2)	SS	Apr
		8	Dividend Decisions	SS	MAY
			Internal Assessment		May
			C U Examination		June
	FRFSA				
	DSE6.1A	1	Holding Company	RP	Jan
		2	Standards Accounting	SM	Feb
		3	Fund Flow Statement	RP	Feb
		4	Cash Flow Statement	RP	Mar
		5	Introduction to Financial Statements Analysis	SM	Apr
		6	Accounting Ratios for FSA	SM	May
			Internal Assessment		May
			C U Examination		June
		1	Computerized Accounting Package: Using Generic Software		
		(a)	Company creation, ledger creation, order processing, accounting voucher, inventory voucher, memorandum voucher, invoicing, multiple godown handling, Transfer of materials across godowns, Bank Reconciliation	AS	Jan
		(b)	Cost Centre, Cost Category, Bill of Material (BoM), Budget and Controls	AS	Jan
		(c)	Payroll Accounting	AS	Feb
		(d)	TDS, GST	AS	Feb
		(e)	Back up & Restore, Export and Import data	AS	Mar
		2	Designing Computerized Accounting System	AS	Mar
		(a)	Introduction to DBMS Package – Table, Query, Form and Report	AS	Apr
		(b)	Designing Computerized Accounting System using DBMS Creating a voucher entry Form, Preparing ledgers, trial Package balance, profit & loss a/c, and balance sheet with Form wizard and Report	AS	Apr
		(c)	Designing Payroll System for Accounting using Form, Query, and Report	AS	May
	3	E-filing of Tax return			

		(a)	Preparation and submission of the Income Tax Return (ITR) offline/online for individual taxpayer [e-filing without using DSC and with using DSC, EVC]	SS	Apr
		(b)	View form 26AS, Upload return, View e-file returns, e-verification	SS	Apr
		(c)	Use of e-tax calculator (including interest calculation u/s 234A, 234B, 234C)	SS	May
		(d)	E-Pay tax (Challan No./ITNS 280, ITNS 281)	SS	Jun
		(e)	Preparation and submission online form 10E [Relief u/s 89(1)]	SS	Jun
			Internal Assessment		Jul
			C U Examination		Jul

K K DAS COLLEGE
DEPARTMENT OF HISTORY (HONORS)
ACADEMIC PLAN 2021-2022

Month	Year/Sem	Name of the paper	Topic	Name of the Teacher
july	1 st sem	CC1 (HISTORY OF INDIA, FROM THE EARLIEST TIMES TO C 300 BCE)	I.Reconstructing Ancient Indian history II.Hunter Gathers and the advent of food products	SS,SSG
August	1 st sem	CC2 (SOCIAL FORMATION AND CULTURAL PATTERNS OF THE ANCIENT WORLD OTHER THAN India)	1.Evolution of human kind II.Food Production	AM,DB
August	3 rd sem	CC5(HISTORY OF INDIA C750-1206)	I.Studying Early medieval India II.Political structures	SSG,DB
August	3 rd Sem	CC6(RISE OF THE MODERN WEST)	I.Transition debate on transition from feudalism to capitalism:problems and theories.	SS

			II.Exploration and voyages	
August	3 RD Sem	CC7 HISTORY OF INDIA(C1206-1526)	I.Interpreting the Delhi Sultanate. II.Sultanate Political Structures.	AM,DB
September	1 st sem	CC1 (HISTORY OF INDIA, FROM THE EARLIEST TIMES TO C 300 BCE)	III.The Harappan Civilization	SS,SSG
September	1 st sem	CC2 (SOCIAL FORMATION AND CULTURAL PATTERNS OF THE ANCIENT WORLD OTHER THAN India)	III.Bronze age Civilization Iv.nomadic groups in Central and West Asia	AM,DB
September	3 rd sem	CC5(HISTORY OF INDIA C750-1206)	III.Agrarian structure and social change IV.Trade and Commerce	SSG,DB
September	3 rd Sem	CC6(RISE OF THE MODERN WEST)	III.Renaissance IV.Reformation movements	SS
September	3 RD Sem	CC7 HISTORY OF INDIA(C1206-1526)	III.Society and Economy	AM,DB
November	1 st sem	CC1 (HISTORY OF INDIA, FROM	IV.Cultures in Tansition	SS,SSG

		THE EARLIEST TIMES TO C 300 BCE)		
November	1 st sem	CC2 (SOCIAL FORMATION AND CULTURAL PATTERNS OF THE ANCIENT WORLD OTHER THAN India)	V.Slave society in ancient Greece and Rome VI.Polis in ancient Greece.	AM,DB
November	3 rd sem	CC5(HISTORY OF INDIA C750-1206)	V.Religious and Cultural developments.	SSG,DB
November	3 rd Sem	CC6(RISE OF THE MODERN WEST)	V.Economic developments VI.Development of national monarchy	SS
November	3 RD Sem	CC7 HISTORY OF INDIA(C1206-1526)	III.Society and Economy IV.Religion and Culture	AM,DB
2 nd Sem	CC3(HISTORY OF INDIA C300BCE to c750CE)	I.Economy and Society II.Changing political formations	AM,DB	JAN
2 nd Sem	Cc4((SOCIAL FORMATION AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD	1.Group B.Crisis of the Roman Empire and its causes	SS,SSG	JAN

	OTHER THAN India)			
2020,january	4 TH SEM	CC8(RISE OF THE MODERN WEST-II)	I.Printing Revolution Revolution in war techniques.	SS
2020,january	4 TH SEM	CC9(HISTORY OF INDIA C 1526-1605)	I.Sources and Historiography	SS,SSG
2020,january	4 TH SEM	CC 10(HISTORY OF INDIA C 1605-1750)	I.Sources	DB,AM
Jan	6 th sem	CC-13 : History of India (c. 1857 – 1964)	I. Cultural changes and Social and Religious Reform Movements: a) Growth of a new intelligentsia – the Press and Public Opinion b) Reform and Revival : Brahma Samaj, Prarthna Samaj, and Ramakrishna and Vivekananda, Arya Samaj, Wahabi, Deoband, Aligarh and Singh Sabha Movements. c)Debates around gender d)Making of religious and linguistic identities e)Caste : Sanskritising and anti Brahminical trends	
jAN	6 TH SEM	CC-14 : History of	I. The Cold War: Weakening of European balance of	

		World Politics: 1945-1994	power: Origins of The Cold War: Yalta and Potsdam Conferences; End of wartime alliance. II. The USA in World Politics: Truman Doctrine, Marshall Plan, NATO.	
Jan	6 th sem	DSE-A-3 SEM -6: History of Bengal (c.1905-1947)	I. Partition of Bengal and Swadeshi Movement (1905-08) Political ideology and organizations, rise of Extremism in Bengal, Swadeshi movement, Revolutionary terrorism	
		DSE-B-3 SEM -6: History of Modern East Asia – II Japan (c.1868 – 1945)	I) Transition from feudalism to capitalism: a) Crisis of Tokugawa Bakuhan system b) Meiji Restoration : Its nature and Significance c) Political Reorganization d) Military Reforms 45 e) Social, cultural and educational reforms (Bunmeikaika) f) Financial reforms and educational development in the ‘Meiji’ era g) Meiji Constitution.	

February	2 nd Sem	CC3(HISTORY OF INDIA C300BCE to c750CE)	III. Towards early medieval India	AM,DB
February	2 nd Sem	Cc4((SOCIAL FORMATION AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD OTHER THAN India)	Historiography	SS,SSG
February	4 TH SEM	CC8(RISE OF THE MODERN WEST-II)	a.Crisis in Europe in the 17 th Century b.Its economic,social and political dimentions.	SS
February	4 TH SEM	CC9(HISTORY OF INDIA C 1526-1605)	II.Establishment of Mughal rule	SSG,SS
February	4 TH SEM	CC 10(HISTORY OF INDIA C 1605-1750)	ii.Political Culture under Jahangir and Shaha jahan	DB,AM
Feb	6 th sem	CC-13 : History of India (c. 1857 – 1964	II. Nationalism : Trends up to 1919 a)Formation of early political organizations b) Moderates and extremists c)Swadeshi movement d)Revolutionaries III. Gandhian nationalism after 1919 : Ideas and Movements:	

			<p>a) Mahatma Gandhi : his Perspectives and Methods</p> <p>b) i) Impact of the First World War</p> <p>ii) Rowlatt Satyagraha and Jalianwala Bagh</p> <p>iii) Non-Cooperative and Civil Disobedience</p> <p>iv) Provincial Autonomy, Quit India and INA</p> <p>c) Left wing movements</p> <p>d) Princely India : States people movements</p>	
fEB	6 TH SEM	CC-14 : History of World Politics: 1945-1994	<p>III. The USSR in World Politics: Molotov Plan, COMECON and Cominform; Sovietisation of Eastern Europe; Berlin Blockade; Warsaw Pact.</p> <p>IV. Manifestation of Cold War: The Korean Crisis- End of French Colonial rule in Indo-China and the Vietnam War – Cuban Crisis.</p>	
Feb	6 th sem	DSE-A-3 SEM -6: History of Bengal (c.1905-1947) I.	<p>II. Communal Politics: 1906- 30 Birth of Muslim League, and the Hindu response.</p> <p>III. Gandhian nationalism after 1919, Non- Cooperation and</p>	

			Khilafat movement, Swaraj party, Civil Disobedience movement, Revolutionary Nationalists and the beginnings of Left politics in the 1920s, Rise of Krishak Praja Party, Muslim League in Bengal politics.	
Feb	6 th sem	DSE-B-3 SEM -6: History of Modern East Asia – II Japan (c.1868 – 1945)	II) Japanese Imperialism a) China b) Manchuria c) Korea	
March	2 nd Sem	CC3(HISTORY OF INDIA C300BCE to c750CE)	IV.Religion,philosophy and society	AM,DB
March	2 nd Sem	Cc4((SOCIAL FORMATION AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD OTHER THAN India)	Religion and Culture in Medieval Europe	SS,SSG
March	4 TH SEM	CC8(RISE OF THE MODERN WEST-II)	III.The English Revolution	SS

March	4 TH SEM	CC9(HISTORY OF INDIA C 1526-1605)	iii.Consolidation of Mughal rule under Akbar	SS,SSG
March	4 TH SEM	CC 10(HISTORY OF INDIA C 1605-1750)	III.Muughal empire under Aurangzeb	DB,AM
March	6 th sem	CC-13 : History of India (c. 1857 – 1964	IV. Nationalism and Social Groups : Interfaces: a) Landlords, Professionals and Middle Classes b)Peasants c)Tribals d)labours e)Dalits f)Women g)Business groups V.Communalism : Ideologies and practices, RSS , Hindu Maha Sabha, Muslim League	
March	6 th SEM	CC-14 : History of World Politics: 1945-1994	V. De-Stalinisation; Thaw in Cold War; Détente and road to the ending of Cold War. VI. Disintegration and Decline of the Soviet Union – Glasnost and Perestroika – Crisis of Socialist regimes in other East European Countries: Poland, Germany, Czechoslovakia, Hungary – Response of the USA; Rise of a Unipolar World	

			system, Globalization. VII. Emergence of the People's Republic of China – China and the USA – Sino-Soviet rift.	
March	6 th sem	DSE-A-3 SEM -6: History of Bengal (c.1905-1947) I.	III. Gandhian nationalism after 1919, Non- Cooperation and Khilafat movement, Swaraj party, Civil Disobedience movement, Revolutionary Nationalists and the beginnings of Left politics in the 1920s, Rise of Krishak Praja Party, Muslim League in Bengal politics. IV. Government of India Act 1935 and its aftermath:	
March	6 th sem	DSE-B-3 SEM -6: History of Modern East Asia – II Japan (c.1868 – 1945)	3) Democracy and Militarism / Fascism a) Popular/ People's Rights Movement b) Nature of political parties c) Rise of Militarism-Nature and significance d) Second World War; American occupation e) Post-War Changes	
April	2 nd Sem	CC3(HISTORY OF INDIA C300BCE to c750CE)	V.Cultural developments	AM,DB

April	2 nd Sem	Cc4((SOCIAL FORMATION AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD OTHER THAN India)	Religion and Culture in Medieval Europe The Feudal society its origin and its crisis	SS,SSG
April	4 TH SEM	CC8(RISE OF THE MODERN WEST-II)	iv.scientific Revolution	SS
April	4 TH SEM	CC9(HISTORY OF INDIA C 1526-1605)	IV.Expansion and Integration	SS,SSG
April	4 TH SEM	CC 10(HISTORY OF INDIA C 1605-1750)	IV.Visual Culture	DB,AM
April	6 th sem	CC-13 : History of India (c. 1857 – 1964	VI. Independence and Partition a)Negotiations for independence and partition b)Popular movements c)Partition riots	
April	6 th sem	CC-14 : History of World Politics: 1945-1994	VIII. West Asian Crisis – Palestine and Western Powers – Birth of Israel – Arab-Israel Conflict –The Suez Crisis (1956); Origin and Formation of PLO; Yom Kippur War(1973) ; Camp David Accord(1979);	

			Oslo Peace Accord(1993).	
April	6 th sem	DSE-A-3 SEM -6: History of Bengal (c.1905-1947)	V. Peasant Movements in Bengal 1920-1946, Labour Movement in Bengal 1920-1946, Caste Movement in Bengal 1920-1946, Women's Movements in Bengal 1920-1946. VI. Subhash Chandra Bose and the Congress, Quit India Movement in Bengal, Post war upsurges in Bengal- Left wing movements. VIII. Independence and Partition: Communal Riots, the great Calcutta killing and Noakhali	
May	2 nd Sem	CC3(HISTORY OF INDIA C300BCE to c750CE)	v.Cultural Developments	AM,DB
May	2 nd Sem	Cc4((SOCIAL FORMATION AND CULTURAL PATTERNS OF THE MEDIEVAL WORLD OTHER THAN India)	Judaism and Christianity under Islam	SS,SSG
May	4 TH SEM	CC8(RISE OF THE MODERN WEST-II)	European economy	SS

May	4 TH SEM	CC9(HISTORY OF INDIA C 1526-1605)	V.Rural Society and Economy	SS,SSG
May	4 TH SEM	CC 10(HISTORY OF INDIA C 1605-1750)	v.Patterns of Regional Politics.	DB,AM
MAY	6 TH SEM	CC-13 : History of India (c. 1857 – 1964	VII. Emergence of a New State: a)Making of the Constitution b)Integration of princely states c) Land reform and beginnings of planning d) The Nehru years	
May	6 TH SEM	CC-14 : History of World Politics: 1945-1994	IX. Decolonization: The African Case Study: Ghana, Algeria, Congo, Kenya	
mAY	6 TH SEM	DSE-A-3 SEM -6: History of Bengal (c.1905-1947)	VIII. Independence and Partition: Communal Riots, the great Calcutta killing and Noakhali riots, Hindu Mahasabha, Muslim League, freedom and Partition, Birth of West Bengal and East Pakistan.	
JUne	6 th sem	CC-14 : History of World Politics: 1945-1994	X. Protest Politics: Civil Rights Movement, Anti-Apartheid Movement and the end of Apartheid (1994), Second Wave Feminist Movement.	

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K K DAS COLLEGE

DEPARTMENT OF HISTORY (GENERAL)

ACADEMIC PLAN (2021-2022)

YEAR/SEM	NAM E OF THE PAPER	PAPER	MODU LE	NAME OF THE TOPIC	NAME OF THE TEACHER	MONT H
SEM-I	History of India from Earliest Times up to 300 CE		CC-1/G E-1	I.Sources & Interpretation	SS	July-September
				II.A broad survey of Palaeolithic, Mesolithic and Neolithic Cultures	SS	July-September

				III. Harappan Civilization : Origin, Extent, dominant features & decline, Chalcolithic age.	SS	July-September
				IV. The Vedic Period: Polity, Society, Economy and Religion, Iron Age with reference to PGW & Megaliths.	SS	July-September
				V. Territorial States and the rise of Magadha, Conditions for the rise of Mahajanpadas and the Causes	SS	July-September

				of Magadha's success		
				VI.Iranian and Macedonian Invasions, Alexander's Invasion and impact	SS	September-November
				VII.Jainism and Buddhism: Causes, Doctrines, Spread, Decline and Contributions	SS	September-November
				VIII.The Satavahanas Phase: Aspects of Political History, Material Culture, Administration, Religion	SS	September-November

				IX.Emergence and Growth of Mauryan Empire; State Administration, Economy, Ashoka's Dhamma, Art &Architecture	SS	September-November
				X.The Satvahana Phase: Aspects of Political History, Administration, Material Culture, & Religion	SS	November-December
				XI.The Sangam Age: Sangam Literature, The three Early Kingdoms, Society & the Tamil language	SS	November-December
				XII.The age of the Indo-Greeks,	SS	November-December

				Shakas: Parthians & Kushanas: Aspects of Polity, Society, Religion, Arts & Crafts, Coins, Commerce and Towns.		
SEM III	History of India from 1206 to 1707		CC3/G E3	I. Foundation, Expansion & consolidation of the Delhi Sultanate; Nobility & Iqta system.	DB	July-September
				II. Military, administrative & economic reforms under the Khiljis & the Tughlaqs	DB	July-September
				III. Bhakti & Sufi Movements.	DB	September

				IV.Provincialkingdoms: Mewar, Bengal, Vijaynagara &Bahamanis.	DB	September
				V.Second Afghan State.	DB	November
				VI.Emergence and consolidation of Mughal State, C.16 th century to mid 17th century.	AM	July
				VII.Akbar to Aurangzeb: administrative structure-Mansab & Jagirs, State &Religion, Socio-Religious Movements.	AM	July

				VIII.Economy, Society & Culture under the Mughals.	AM	September
				IX.Emergence of Maratha Power.	AM	November
				TEST AND REVISION		November-December
SEM III	Historical Tourism: Theory & Practice	SEC A-1		I.Defining Heritage Art & Architecture in India: An overview: Field Work: Visit to historical sites & Museums	SSG	August
				II.Understanding Built Heritage:	SSG	July-September

				<p>Stupa Architecture Temple Architecture</p> <p>Indo Persian Architecture, Forts, Palaces, Mosques Colonial Architecture</p> <p>Present day structures</p>		
				III.Field Work: Visit to site &Conducting of research	SSG	Novem ber
				IV.Modalities of conducting tourism	SSG	Novem ber
SEM- V	DSE A-2	SOME ASPECT S OF EUROPE AN HISTOR Y		I.The French Revolution: Genesis Nature & Consequences	SS	July

				II.Napoleonic Era and aftermath.	SS	July
				III.Revolutions of 1830 & 1848.	SS	September
				IV.Unification of Italy & Germany.	SS	September
				V.Social and economic Changes.	DB	July
				VI.Imperialist Conflicts: World War I	DB	September
				VII.Rise of Fascism and Nazism.	DB	November
				VII.Origins of World War II	DB	November
SEM- V	SEC A-2	Indian History & Culture	I	Environment; Culture, Tradition & Practices	SSG	September

			II	Urbanization & Urbanism	SSG	September
			III	Social inequality & Gender	SSG	November
			IV	Cultural Heritage	SSG	November
			V	Cultural Forms & Cultural Expressions	SSG	November
				TEST AND REVISION		November
SEM-II	History of India from C.300 to 1206		CC-2/ GE-2	I. The Rise & Growth of the Guptas: Administration, Society, Economy, Religion, Art, Literature, and Science & Technology.	DB	February-March
				II. Harsha & His Times: Harsha's Kingdom, Administration, Buddhism & Nalanda	DB	February-March

				III.South India: Polity, Society, Economy & Culture	DB	Febru ary-M arch
				IV.Towards the Early Medieval: Changes in Society, Polity Economy and Culture with reference to the Pallavas, Chalukayas and Vardhanas.	DB	March -April
				V.Evolution of Political structures of Rashtakutas, Pala &Pratiharas.	AM	Febru ary-M arch
				VI.Emergence of Rajput States in Northern India: Polity,Economy &Society.	AM	March -April

				VII.Arabs in Sindh: Polity, Religion &Society.	AM	April-May
				VIII.Struggle for power in Northern India &establishment of Sultanate	AM	April-May
				TEST AND REVISION		May-June
SEM IV	History of India; 1707-1950	CC4/GE4		I.Interpreting the 18th Century.	DB	January
				II.Emergence of Independent States &establishment of Colonial power.	DB	January
				III.Expansion &consolidation of Colonial Power upto 1857.	DB	January-February
				IV. Uprising of 1857: Causes,	DB	February

				Nature & Aftermath.		
				V.Colonial economy: Agriculture, Trade & Industry.	DB	March
				VI.Socio-Religious Movements in the 19th century.	AM	March
				VII.Emergence & Growth of Nationalism with focus on Gandhian nationalism.	AM	March -April
				VIII.Communalism: Genesis, Growth and partition of India.	AM	April
				IX.Advent of Freedom: Constituent Assembly, establishment of Republic.	AM	May

SEM-IV	Museums & Archives in India	SEC B-1		I.Definitions	SSG	January
				II.History of setting up of Museums and Archives: Some case Studies	SSG	January
				III.Field Work; Studying of structures & Functions	SSG	February-March
				IV.Training & Employment	SSG	April
				TEST AND REVISION		May-June
SEM VI	DSE B-2	Some aspects of Society & Economy of Modern Europe: 15Th – 18th Century		I.Historiographical Trends	SS	January

				II.Feudal Crisis: Main strands	SS	January
				III.Renaissance: Origin, Spread &Dominant Features	SS	January
				IV.European Reformation: Genesis, nature & Impact	SS	February
				V.Beginning of the era of colonization: motives; mining and plantation; the African slaves	SS	March
				VI.Economic developments of the sixteenth century; Shift of economic balance from the Mediterranean to the Atlantic	SS	March

				VII. Transition from Feudalism to Capitalism: Industrial Revolution in England	SSG	April
SEM VI	SEC B-2	Orality and Oral Culture in India		I. Defining orality	SSG	February
				II. History & Historiography of Orality	SSG	February
				III. Life Histories: Sociological Aspects	SSG	March
				IV. Research Methodologies	SSG	March
				V. Documentation: Written & Visual	SSG	March

				TEST AND REVISION		April-May
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K.K.Das College

Department of Mathematics

Academic Plan for Odd Semester 2021

Subject: Mathematics Honours

M	Paper/ Course	Module / Unit	Topic/Unit	Name of the teacher	Month	
F I R S T S E M E S T E R	C O R E C O U R S E O N E	UNIT I	Differential Calculus: Higher Order Derivatives , Leibnitz Rule	ARC	Oct	
			Integral Calculus: Reduction Formula	RH		
		UNIT II	Analytical Geometry of 2 Dimensions: General equation of second degree in x and y.	MR		
		UNIT II	Analytical Geometry of 3 Dimensions: Co-ordinate, Plane, Straight Line, Central Conicoids.	NM		
		UNIT III	Vector Analysis: Scalar and Vector products of three vectors, Simple applications to problems of Geometry.	RH		
		UNIT I	Differential Calculus: Curvature, Concavity, Envelope, Asymptote.	ARC	Nov	
				Integral Calculus: Parametric Equations, Arc Length of Parametric Curves		RH
			UNIT II	Analytical Geometry of 2 Dimensions: Tangent & Normal,		MR
			UNIT II	Analytical Geometry of 3 Dimensions: Straight Line, Sphere, Cylinder.		NM
			UNIT III	Vector Analysis: Theory of Couples, System of Parallel Forces.		RH

		UNIT I	Differential Calculus: Curve Tracing, L'Hospitals Rule , Application of Differential Calculus	ARC	Dec
			Integral Calculus: Area and Volume	RH	
		UNIT II	Analytical Geometry of 2 Dimensions: Polar Equation	MR	
		UNIT II	Analytical Geometry of 3 Dimensions: , Central Conicoids, Generating lines, Classifications of Quadrics, Tangent & Normals of Conicoids	NM	
		UNIT III	Vector Analysis: Introduction to Vector Functions, Limits, Continuity, Differentiations & Integrations of Vector Functions	RH	
F I R S T S E M E S T E R	C O U R S E	Unit I	Classical Algebra : Complex Numbers – Polar representation of complex numbers, n-th roots of unity, De-Moiver's Theorem and its application, Exponential, logarithmic.	ARC	Oct
		Unit II	Abstract Algebra: Relation and Mapping	SS	
		Unit III	Linear Algebra : Rank of a matrix , Characterizations of Invertible matrix	MBS	
	T W O	Unit I	Classical Algebra : Complex Number - Trigonometric and hyperbolic functions of complex variable.	ARC	Oct - Nov
			Classical Algebra : Theory of Equation – Descarte's Rule , Sturm's Theorem, Relation between roots and coefficients.	ARC	
		Unit II	Integer : Well Ordering Property and Principle of Mathematical Induction, Division Algorithm, Divisibility and Euclidean Algorithm, prime numbers, Euclid's Theorem, Congruence.	MBS	
		Unit III	Linear Algebra : System of linear equations, Row reduction and Echelon forms, Vector Equations , The matrix equation $AX = B$. Solution sets of linear systems and application of linear	MBS	

			systems.		
		Unit I	Classical Algebra : Theory of Equation - transformation of equation, Solution of cubic equation by Cardan's Method, Solution of biquadratic equation by Ferrari's Method.	ARC	Dec
			Classical Algebra : Inequality – $AM \geq GM \geq HM$, Cauchy – Schwartz Inequality. Linear Difference Equations with constant coefficients (up to 2 nd order)	MBS	
		Unit II	Integer - Chinese Remainder Theorem, Fundamental Theorem of Arithmetic , Arithmetic Functions, ϕ , τ , σ functions and their properties.	MBS	
Internal Assessment In January					
Tutorial Examination In January					
Semester End Examination In January					
T H I R D S E M E S T E R	C O R E C O U R S E F I V E	Unit - I	Limit of Functions : Definition, Sequential criterion for limits, Algebra of limits, concept of one sided limits, infinite limits and limits at infinity, examples of important limits like $\frac{\sin x}{x}$, $\frac{\log(1+x)}{x}$, $\frac{a^x - 1}{x}$ ($a > 0$) as $x \rightarrow 0$. Properties and examples of continuous functions.	SS	Sept
		Unit - I	Continuity of Functions : Definition, Sequential criterion for continuity, concept of oscillation of a function at a point. Familiarity with the figures $y = x^a$ ($a = 2, 3, -1, \frac{1}{2}$), $|x|$, $\sin x$, $\cos x$, $\tan x$, $\log x$, e^x . Concept of Bounded Functions,	SS	Oct - Nov

			Intermediate Value Theorem. Discontinuity of Functions, Type of Discontinuity, Step Functions, Piecewise Continuity, Monotone Functions, Jump Discontinuity, Related Theorems. Uniform Continuity, Examples and non-examples of uniform continuity, Lipschitz Condition.		
		Unit – II	Differentiability of Functions :Definition, properties and meaning of sign of derivative, Chain Rule. Darboux Theorem, Rolle’s Theorem, Mean Value Theorems of Lagrange and Cauchy.	MR	Dec
			Differentiability of Functions : Taylor’s Theorem on closed and bounded interval with Lagrange’s and Cauchy’s form of remainder deduced from Lagrange’s and Cauchy’s mean value theorem. Expansion of $e^x, \log(1+x), (1+x)^m, \sin x, \cos x$ with their range of validity (assuming relevant theorem). Application of Taylor’s Theorem. Statement of L’ Hospitals rule and its consequences, Concept of extremum of a function of one variable, solve problems regarding maximum / minimum.	MR	
T H I R D S E M E S	C O R S E C O U R S E	Unit I	Ring Theory : Definition and examples of Ring, properties of Rings, Subrings, necessary and sufficient condition for a non empty subset of a field to be a subfield, characteristic of Ring. Concept of Ideal, Prime and Maximal Ideals.	SD	Sept
		Unit II	Linear Algebra : Definition and examples of Vector Space, Concept of Subspace, Algebra of Subspaces , related examples.	ARC	

T E R	S I X	Unit I	Ring Theory : Ring homomorphism and its properties, First, Second & Third Isomorphism Theorem, Correspondence Theorem, congruence on rings, one-one correspondence between the set of ideals and the set of all congruences on a ring.	SD	Oct - Nov
		Unit II	Linear Algebra : Linear combination of vectors, linear span, linear dependence and linear independence, basis and dimension. Dimension of subspaces, Geometric significance of subspaces, Quotient Spaces.	ARC	
		Unit II	Linear Algebra : Eigen values, Eigen vectors and Characteristic equation of a matrix, Cayley Hamilton Theorem and its application. Linear Transformations, idea of Null Spaces, Range, Rank and Nullity of Linear Transformations, Matrix representation of a Linear Transformation, Isomorphism, Invertibility.	ARC	Dec
T H I R D S E M E S T E R	C O R E C O U R S E S E V E N	Unit I	ODE : First Order and First Degree Differential Equation : Exact Differential Equations, Integrating Factor, Linear equations, Bernoulli's Equations, statement of Picard's theorem (Existence and uniqueness theorem) .	RH	Sept
		Unit I	Ordinary Differential Equation: Linear systems: Normal form, homogeneous linear systems with constant coefficients : Two Equations in two unknown functions.	NM	
		Unit II	Multivariate Calculus - I Concept of neighbourhood of a point in R^n ($n > 1$), interior point, limit point, open set and closed set in R^n ($n > 1$).	MBS	

		Unit I	First Order and Higher Degree Differential Equation : Differential Equations solvable for x, solvable for y, Solvable for p, Clairaut's Equations and singular solution.	RH	Oct – Nov
		Unit I	Linear Differential equation of 2nd order: Wronskian : its properties and applications, Euler equation, Method of undetermined coefficients, Method of variation of parameters.	NM	
		Unit II	Multivariate Calculus - I Functions from R^n ($n > 1$) to R^m ($m \geq 1$), limit and continuity of functions of two or more variables .	MBS	
		Unit I	Ordinary Differential Equation :	NM	Dec
		Unit I	System of linear differential Equation: Types of linear systems, differential operator, an operator method for linear systems with constant coefficients. Planar linear autonomus system : critical points, Interpretation of the phase plane and phase portraits. Power series solution of a differential equation : Solution about an ordinary point , Solution about a regular singular point (upto 2 nd order).	NM	
		Unit II	Multivariate Calculus – I : Partial derivatives, total derivatives and differentiability. Chain rule for one and two independent parameters, directional derivatives, the gradient, maximal and normal property of the gradient, tangent planes, extrema of functions of two variables , method of lagrange multipliers, constrained optimization problems.	MBS	

T H I R D S E M E S T E R	S K I L L E N H A N C E M E N T C O U R S E A	C P R O G R A M M I N G L A N G U A G E	Unit I	Fundamentals of Computer : An overview of theoretical computers, history of computers, overview of architecture of computer, compiler, assembler, machine language, high level language, object oriented language, programming language and importance of C programming. Introduction to C Programming : Character Set, Constants & Variables data type, Expressions, Assignment Statements, Declaration.	MR	Sept
			Unit I	Introduction to C Programming : Arithmetic Operators, Relational Operators, Logical Operators. Decision making with if statement, if-else statement, Nesting if else statement, switch statement, break and continue statement. Control Statement: while statement, do while statement, for statement.	MR	Oct - Nov
			Unit II	Introduction to C Programming : Arrays : one dimension, two dimension and multidimensional arrays, declaration of arrays, initialization of one and multidimensional arrays. User defined Functions : Definition of functions, Scope of variables, return values and their type, function declaration, function call by value, nesting of functions, passing of arrays to functions, Recurrence of Function. Introduction to Library Functions : stdio.h, math.h, string.h, stdlib.h, time.h etc.	MR	Dec
Internal Assessment In January						
Tutorial Examination In January						
Semester End Examination						

In January					
F I F T H S E M E S T E R	C O R E C O U R S E E L E V E N	Unit I	Probability : Random Experiment, Sample Space, Probability Axioms, Conditional Probability, Bayes Theorem. Random Variable, Probability Distribution, Expectation.	SS	Sept
		Unit II	Probability : Joint Probability Distribution, Marginal & Conditional Distributions, Expectation of two random variables, Conditional expectations , Linear regression for two variables, Regrassion Curves, Bivariate normal distribution.	SS	Oct - Nov
		Unit III	Probability : Markov & Chebyshev's inequality, Central Limit Theorem	SS	
		Unit IV	Statistics : Sampling and Sampling Distributions, Estimation of Parameters, Method of Maximum Likelihood	SS	Dec
		Unit V	Statistics : Hypothesis Bivariate Frequency Distribution	SS	
F I F T H S E M E S T E R	C O R E C O U R S E T W E L V E	Unit I	Group Theory : Automorphism	SD	Sept
		Unit II	Linear Algebra : Inner Product Space and Norms, Gram- Schmidt Orthonormalization Process, Orthogonal Complements, Bessel's Inequality, Adjoint of Linear Operator.	ARC	
		Unit I	Group Theory : External Direct Product and its Properties , Internal Direct Product.	SD	Oct - Nov
		Unit II	Linear Algebra : Bilinear & Quadratic Forms, Diagonalisation of Symmetric Matrices, Second Derivative Test, Hessian Matrix, Index and Signature.	ARC	
		Unit I	Group Theory : Converse of Lagrange's Theorem for Finite Abelian Group,	SD	Dec

			Cauchy's Theorem for Finite Abelian Group , Fundamental Theorem of Finite abelian groups			
		Unit II	Linear Algebra : Dual Space and Dual Basis, Double Dual, Transpose of a Linear transformation and its matrices in the dual basis, annihilators, Eigen Spaces of a Linear Operator, Diagonalizability, Cayley Hamilton Theorem, Minimal Polynomial, Canonical Forms.	ARC		
F I F T H S E M E S T E R	D I S C I P L I N E S P E C I F I C E L E C T I V E A	A D V A N C E D A L G E B R A	Unit I	Group Theory : Group Actions , Cayley's Theorem, Index Theorem	SD	Sept
			Unit I	Group Theory : Group acting on themselves by Conjugation, Class Equation and consequences, Cauchy's Theorem, Simplicity of A_n for $n \geq 5$, non simplicity test.	SD	Oct - Nov
			Unit II	Ring Theory : Principle Ideal Domain, Principle Ideal Ring, Prime Element, irreducible element, Euclidean Domain.	SD	
			Unit II	Ring Theory : Polynomial Rings , Division Algorithm, Factorization Domain, Irreducible and prime elements in a UFD. Eisenstein Criterion and Unique Factorization in $Z[x]$. Ring embedding and quotient field, regular ring, ideals in regular ring.	SD	Dec
F I F T	D I S C	L. P. P.	Unit I	L.P.P. : Definition & Formation of L.P.P	MBS	Sept
			Unit II	L.P.P. :	RH	

H S E M E S T E R	I P L I N E S P E C I F I C E L E C T I V E B	& G A M E T H E O R Y		Simplex Method		
			Unit IV	L.P.P : Transportation	NM	
			Unit I	L.P.P. : Basic Feasible Solution of an L.P.P. and Degenarate , Non degenerate B.F.S.	MBS	Oct - Nov
			Unit II	L.P.P : Two Phase Method	RH	
			Unit IV	L.P.P : Assignment Problem	NM	
			Unit I	L.P.P. : Hyperplane and Convex Set	MBS	Dec
			Unit III	L.P.P : Duality	RH	
			Unit IV	Game Theory	NM	
			Internal Assessment In January			
Tutorial Examination In January						
Semester End Examination In January						



K.K.Das College

Department of Mathematics

Academic Plan For Odd Semester 2021

Subject: Mathematics General

Year/ Sem	Paper/ Course	Module / Unit	Topic	Name of the teacher	Month
F I R S T S E M E S T E R	C O R R E C O U R S E O N E	UNIT I	Algebra – I : Complex Numbers – De Moivers’ Theorem and its application, Exponential, Sine, Cosine & logarithm of Complex Number	ARC	OCT
		UNIT II	Differential Calculus - I: Rational number and its geometrical representation , Irrational Number, Concept of Real line & basic properties of Real Number.	ARC	
		UNIT III	Differential Equation - I: Order , Degree and Formation of ODE.	RH	
		UNIT IV	Coordinate Geometry: Transformations of Rectangular Axes	MR	
		UNIT I	Algebra – I : Complex Numbers – Definition of a^z , Inverse Circular and Hyperbolic Function. Polynomials - Fundamental Theorem of Algebra, Nature of Roots of a Polynomial Equation of degree n, Statement of Descarte’s Rule of sign and its application. Rolle’s Theorem & its direct applications, Relation between roots and coefficients, Symmetric Functions of Roots, Transformation of Equations.	ARC	NOV

	UNIT II	Differential Calculus - I: Real – Valued Functions defined on an interval, Limit, Continuity of a function, Inverse function , Strictly Monotone Function and its Continuity. Geometrical & Physical interpretation of Derivative, Sign of Derivative, Application of derivative finding approximation. Successive Derivative - Leibnitz’s Theorem and its application	ARC	
	UNIT III	Differential Equation - I: First order equations – Exact Equation, Euler’s and Bernoulli’s Equation, Clairaut’s Equation, General & Singular Solution. Second Order Linear Equation with Constant Coefficients.	RH	
	UNIT IV	Coordinate Geometry: General Equation of Second Degree in X and Y. Pair of Straight lines. Equations of pair of tangents, Chord of contact, Poles and Polars in case of Conic (Parabola, Ellipse, Circle, Hyperbola)	MR	
	UNIT I	Algebra – I : Cardan’s Method of solution of a cubic equation. Rank of a matrix. Solution of System of linear equations with not more than 3 variables by matrix method.	ARC	Dec
	UNIT II	Differential Calculus - I: Functions of Two and Three Variables - Geometrical Representation, limit, continuity, Partial Derivatives, Chain Rule, Exact Differentials, Schwarz’s Theorem and Euler’s Theorem for Homogeneous Functions . Application of Differential Calculus : Curvature, Asymptote, Envelope, Singular Points.	ARC	
	UNIT III	Differential Equation - I: Second Order Differential Equation – Method of variation of parameters, Method of undetermined coefficients.	RH	
	UNIT IV	Coordinate Geometry: Polar equation of straight lines and Circles and Conic referred to a focus as pole. Tangent and Normal. Sphere and its tangent plane. Right Circular Cone.	MR	
Internal Assessment In January				

Tutorial Examination In January							
Semester End Examination In January							
T H I R D S E M E S T E R	C O R E C O U R S E T H R E E	UNIT I	Integral Calculus : Evaluation of Definite Integrals . Integration as the limit of a sum.	RH	Sept		
		UNIT II	Numerical Methods : Approximate Numbers , Significant Figures , Rounding of Numbers. Error : Absolute , Relative and Percentage. Operators : Δ , ∇ & E .	NM			
		UNIT III	Linear Programming : Formulation of L.P.P. , Convex Set , Hyperplane, Extreme Points, Convex Polyhedron, Basic Solutions & B.F.S. , Degenerate and Non-degenerate B.F.S. . Theorems on L.P.P.	MBS			
		UNIT I	Integral Calculus : Reduction Formula , Improper Integrals and Beta & Gamma Functions.	RH	Oct - Nov		
		UNIT II	Numerical Methods : Interpolation	NM			
		UNIT III	Linear Programming : Solution by Graphical Method , Simplex Method & Simplex Algorithm , Duality.	MBS			
		UNIT I	Integral Calculus : Double Integral , Rectification , Quadrature, Volume and Surface Areas.	RH	Dec		
		UNIT II	Numerical Methods : Numerical Integration & Solution of Numerical Equation.	NM			
		UNIT III	Linear Programming : Transportation & Assignment Problem.	MBS			
		Internal Assessment In January					
		Tutorial Examination In January					
		Semester End Examination In January					
F I F	D S E		Particle Dynamics : Velocity & Acceleration of a Particle.	NM	Sept		

T H S E M E S T E R	A		Particle Dynamics : Concept of Force. Motion of a particle in a straight line under Constant forces, variable forces. Equation of Energy, Conservative Forces.	RH	Oct - Nov	
			Particle Dynamics : Motion in two dimensions. Central Orbit. Kepler's Laws of Motion. Motion Under Inverse Square Law.	NM	Dec	
	OR					
	D S E A		Graph Theory : Definitions and examples of Graph. Pseudographs, Complete Graph, Bipartite Graph and Isomorphism of Graphs.	ARC	Sept	
			Graph Theory : Paths and Circuits, Euler Circuits, Hamiltonian cycles, Adjacent Matrix, Weighted Graph, Travelling Salesman Problem, Shortest Path.	ARC	Oct - Nov	
			Graph Theory : Dijkstra's Algorithm, Floyd – Warshall Algorithm. Trees. Planar Graph. Kuratowski's Graph.	ARC	Dec	
	Internal Assessment In January					
	Tutorial Examination In January					
	Semester End Examination In January					



K.K.Das College

Department of Mathematics

Academic Plan for Odd Sem 2021

Subject: Business Mathematics & Advanced Business Mathematics

Year / Sem	Paper/ Course	Chapter	Topic/Unit	Name of the teacher	Month		
T H I R D S E M E S T E R	B U S I N E S S M A T H E M A T I C S	II	Set Theory : Definition, Presentation of Sets, different types of sets, set operation, Law of algebraic sets.	NM	Sept		
		III	Binomial Theorem : Statement of the theorem, General term, Middle term, Simple Properties of binomial coefficients.	ARC			
		V	Compound Interest and Annuities : Simple AP and GP Series, Different types of interest rates.	MBS			
				II	Set Theory : Different problems on set theory	NM	Oct - Nov
			I	Permutation : Definition, Factorial Notation, Theorem on permutation, Permutations with repetitions, Restricted Permutation.	MBS		
			III	Binomial Theorem : Problems on Binomial Theorem	ARC		
			IV	Logarithm : Definition, Base and index of logarithm, General Properties of Logarithm.	ARC		
			V	Compound Interest and Annuities : Net Present Value, Types of Annuities, Continuous compounding.	MBS		

		I	Combination : Definition, Theorems on Combination, Basic Identities, Restricted Combination.	MBS	Dec
		IV	Logarithm : Problems on Logarithm	ARC	
		V	Compound Interest and Annuities : Valuation of simple loans and debentures, problems relating to Sinking Funds.	MBS	
I N T E R N A L E V A L U A T I O N 3 rd week of November					
S E M E S T E R E N D E X A M I N A T I O N I N D E C E M B E R					
F I F T H S E M E S T E R	A D V A N C E B U S I N E S S	I	Functions : Definition of functions; classification of functions; Different types of functions; bounded functions; monotonic functions; even and odd functions; parametric form of functions; composite functions; graphical representation of functions.	NM	Sept
		I	Limit and Continuity : Elementary ideas of limit and continuity through the use of simple algebraic functions.	NM	
		V	Matrix : Definition of matrix ; types of matrices; operations on matrices.	MBS	
	M A T H E M A T I C S	II	Differentiation : Derivative and its meaning; rules of differentiation; geometrical interpretation; significance of derivative; significance of derivative as rate of measure; second and higher order derivatives. Partial derivative up to second order; homogeneity of function and Euler's theorem; total differentials; differentiation of implicit functions with the help of total differentials.	NM	Oct - Nov
		II	Integration : Integration as anti-derivative process, standard forms, integration by substitution, by parts and by use of partial functions; definite integral; finding areas in simple cases; consumers producers surplus; nature of commodities learning curve.	MBS	

	V	Matrix : Adjoint of a matrix; inverse of a matrix; solutions of a system of linear equations by matrix inversion method.	MBS	
	IV	Determinants : Determinants of a square matrix upto 3 rd order.	MBS	
	III	Application of Derivative and Integration: Maximum and minimum values; cost function; demand function; profit function; increasing and decreasing functions; rate measure; Applied problems on average cost(AC); Average variable cost(AVC), Marginal Cost(MC); Marginal Revenue(MR).	NM	Dec
	II	Integration : Integration by substitution, by parts and by use of partial functions; definite integral; finding areas in simple cases; consumers producers surplus; nature of commodities learning curve.	MBS	
	IV	Determinants : Elementary properties of determinants; minors and co-factors; adjoint of a determinants; Cramer's rule.	MBS	
I N T E R N A L E V A L U A T I O N				
3 rd week of November				
S E M E S T E R E N D E X A M I N A T I O N				
I N D E C E M B E R				



K.K.Das College

Department of Mathematics

Academic Plan Even Sem 2022

Mathematics Honours

Year / SEM	Paper/ Course	Module / Unit	Topic/Unit	Name of the teacher	Month
S E C O N D S E M E S T E R	C O U R S E T H E R E	Unit I	<p>Real Analysis – I</p> <p>Real number : Idea of Real Numbers , Countable and Uncountable Sets, Bounded and Unbounded Sets in \mathbb{R}, Supremum and Infimum of a set and their properties. Order completeness axiom, Archimedean Property of \mathbb{R}. Density of rational and irrational numbers in \mathbb{R}. Neighbourhood of a point, Interior Point, Open Set, Union and Intersection of Open Sets, Limit Point and Isolated point of a set. Bolzano Weirstrass theorem for sets, Existence of Limit Point of every uncountable set as a consequence of Bolzano-weirstrass theorem. Derived set, Closed Set, Complement of Open Set and Closed Set, Union and Intersection of closed sets as a consequence, No non-empty proper subset of \mathbb{R} is both open and closed. Dense set in \mathbb{R} as a having non-empty intersection with every open intervals. \mathbb{Q} and $\mathbb{R}-\mathbb{Q}$ are dense in \mathbb{R}.</p>	DH	March

		<p>Unit II</p> <p>Real Analysis – II</p> <p>Real Sequence : Basic idea of Real Sequence , Bounded Sequence, Convergence and non-convergence, examples, Boundedness of Convergent Sequence. Uniqueness of limit. Algebra of limits. Relation between the limit point of a set and the limit of a convergent sequence of distinct elements. Monotone sequences and their convergence. Sandwich Rule. Nested Interval Theorem. Limit of some important sequences :</p> $\left\{ n^{\frac{1}{n}} \right\}_n, \left\{ x^n \right\}_n \left\{ x^{\frac{1}{n}} \right\}_n, \left\{ x_n \right\}_n \text{ with}$ $\frac{x_{n+1}}{x_n} \rightarrow l \text{ and } l < 1, \left\{ \left(1 + \frac{1}{n} \right)^n \right\}_n,$ $\left\{ 1 + \frac{1}{1!} + \frac{1}{2!} + \dots + \frac{1}{n!} \right\}_n, \left\{ a^{x_n} \right\}_n (a > 0).$ <p>Cauchy's first and second limit theorems. Subsequence. Subsequential limits, lim sup as the LUB and lim inf as the GLB of a set containing all the subsequential limits. Alternative definition of lim sup and lim inf of a sequence. A bounded sequence $\{x_n\}$ is convergent iff $\limsup x_n = \liminf x_n$. Every sequence has a monotone subsequence. Bolzano-Weirstrass Theorem for sequence. Cauchy's Convergence Criterion. Cauchy Sequence.</p>	DH	April
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		Unit III	<p>Real Analysis – III</p> <p>Infinite Series : Definition, Convergence and Non-convergence of Infinite series, Cauchy Criterion.</p> <p>Tests for Convergence of Series of Positive Terms : Comparison Test, Ratio Test, Cauchy's n-th Root Test , Kummer's Test and Gauss Test (statement only).</p> <p>Alternating series .</p> <p>Tests for Convergence of alternating series : Leibnitz Test.</p> <p>Absolute and Conditional Convergence.</p>	DH	May
S E C O N D S E M E S T E	C O R E C O U R S E F O U R	Unit I	<p>Abstract Algebra – I</p> <p>Concept of Group : Definition of a Group, Properties of Group, Examples of Commutative and non-commutative Groups, Symmetries of a Square, Dihedral Group, Quaternion Groups (through matrices), Order of an element, Order of a Group.</p> <p>Subgroups : Definition of Subgroups, Examples of Subgroups, Necessary and Sufficient Condition for a Non-empty Subset of a Group to be a Subgroup. Normalizer, Centralizer, Centre of a Group, Product of Two Subgroups.</p>	MBS	March
		Unit II	<p>Abstract Algebra – II</p> <p>Cyclic Groups : Definition & Properties of Cyclic Groups, Classification of Subgroups of Cyclic Groups.</p> <p>Symmetric & Alternating Group : Cycle Notation for Permutations, even and odd Permutation, Idea of Symmetric Group and Alternating Group.</p> <p>Coset : Definition and Properties of Cosets, Lagrange's Theorem, Fermat's Little Theorem.</p>	MBS	April

		Unit III	Abstract Algebra – III Normal Subgroup & Quotient Group: Definition of Normal Subgroup & its Properties. Examples of Normal Subgroup, Concept of Quotient Group. Examples of Quotient Group. Group Homomorphisms: Definition & properties of Group Homomorphism. Correspondence Theorem, one-one correspondence between the set of all normal subgroups of a group & the set of all congruences on that Group, Cayley's Theorem, Properties of isomorphisms, First, Second & Third Isomorphism Theorems.	MBS	May
Internal Assessment End of June					
Tutorial Examination 1st week of July					
Semester End Examination End of July					
F O R T H S E M E S T E R	C O U R S E E I G H T	Unit I	Riemann Integration : Partition and Refinement of a closed and bounded interval, Concept of $U(P,f)$ and $L(P,f)$ and its associated results, upper integral and lower integral, Darboux's theorem, Riemann's definition for integrability, Necessary and Sufficient condition for Riemann integrability.	RPC	March
		Unit II	Improper Integral : Range of Integration ,finite or infinite , Necessary and Sufficient condition for convergence of improper integral in both cases.	MBS	
		Unit III	Sequence of Function : Sequence of functions defined on a set, Pointwise and uniform convergence, Cauchy criterion of uniform convergence, Weierstrass' M test, Boundedness, continuity, integrability and differentiability of the limit function	ARC	

			of a sequence of functions in case of uniform convergence.		
	Unit I	Riemann Integration : Concept of Negligible Set , Suitable examples and its related theorems. A bounded function on closed and bounded interval is Riemann Integrable iff the set of point of discontinuity is negligible. Examples of Riemann integrable functions. Integrability of sum , scalar multiple, product, quotient, modulus of Riemann integrable function. Properties of Riemann integrable functions. Function defined by definite integral $\int_a^x f(t)dt$ and its properties, Antiderivative (Primitive or indefinite integral), Properties of logarithmic functions defined as the definite integral $\int_1^x \frac{dt}{t}, x > 0$.	RPC	April	
	Unit II	Improper Integral : Test of Convergence : Comparison and M-test. Absolute and non-absolute convergence and inter-relations. Statement of Abel's and Dirichlet's test for convergence on the integral of a product.	MBS		
	Unit III	Series of Functions : Series of functions defined on a set, Pointwise and uniform convergence, Cauchy criterion of uniform convergence, Weierstrass' M test, Passage to the limit term by term, Boundedness, continuity, integrability and differentiability of a sequence of functions in case of uniform convergence. Power Series : Fundamental theorem of Power Series,	ARC		

			Cauchy-Hadamard theorem, Determination of radius of convergence, uniform and absolute convergence of Power Series, Properties of sum function, Differentiation and integration of Power Series, Abel's limit theorem, Uniqueness of power series having sum function.		
		Unit I	Riemann Integration : Fundamental theorem of Integral Calculus. First Mean Value Theorem of Integral Calculus.	RPC	May
		Unit II	Improper Integral : Concept of Beta and Gamma functions and their interrelation. Computation of integrals $\int_0^{\pi/2} \sin^n x dx$, $\int_0^{\pi/2} \cos^n x dx$ and $\int_0^{\pi/2} \tan^n x dx$ (using Beta and Gamma function) .	MBS	
		Unit III	Fourier Series : Trigonometric series, Statement of sufficient condition for a trigonometric series to be a Fourier Series. Fourier Coefficients for periodic functions defined on $[-\pi, \pi]$. Statement of Dirichlet's condition of convergence. Statement of theorem of sum of Fourier Series.	ARC	
F O R T H S E M E S T E	C O R E C O U R S E N	Unit I	Partial Differential Equation : Partial Differential Equation of the first order, Lagrange's Solution, non-linear first order partial differential equation, Charpit's general method of solution, some special type of Equation which can be solved easily by methods other than the general method.	ARC	March
		Unit II	Multivariate Calculus - II: Multiple Integral : Concept of upper sum, lower sum, upper integral, lower integral and double	MBS	

R	I N E		integral. Statement of existence theorem for continuous functions. Iterated or repeated integral, change of order of integration, triple integral.		
		Unit I	Partial Differential Equation : Derivation of Heat equation, Wave Equation and Laplace Equation. Classification of second order linear equations as hyperbolic, parabolic or elliptic. Reduction of second order linear equations to canonical forms. The Cauchy problem, Cauchy - Kowalewskaya theorem, Cauchy problem of finite and infinite string.	ARC	April
		Unit II	Multivariate Calculus - II: Multiple Integral : Cylindrical and spherical coordinates, Change of variables in double integral and triple integrals. Problems on transformation of double and triple integrals. Determination of volume and surface area by multiple integrals. Differentiation under the integral sign. Problems on Leibniz's rule. Vector Calculus: Definition of vector field, divergence and curl, Line integrals, application of line integrals : mass and work. Fundamental theorem for line integrals, conservative vector fields, independence of path.	MBS	
		Unit I	Partial Differential Equation : Initial Boundary value problem, semi infinite string with a fixed end, semi – infinite string with a free end, equations with non-homogeneous boundary conditions, non-homogeneous wave equation, method of separation of variables, solving the vibrating string problem, solving the heat conduction problem.	ARC	May
		Unit II	Multivariate Calculus - II:	MBS	

			Vector Calculus: Green's theorem, Surface integral, integrals over parametrical defined surfaces. Stoke's theorem, the Divergence theorem.		
F O R T H S E M E S T E R	C O R E C O U R S E T E N	Unit I	Statics : Coplanar forces in general	NM	March
		Unit III	Mechanics : Kinematics of a particle : Velocity, Acceleration, Angular Velocity, Linear and Angular Momentum, Relative Velocity and Acceleration. Expression of Velocity and Acceleration in case of Rectilinear Motion and Planar Motion – in Cartesian and Polar Coordinates, Tangential and Normal Components, Uniform Circular Motion.	NM	
		Unit V	Rigid Dynamics : The linear momentum Principle : Linear Momentum, Linear Momentum Principle.	NM	
		Unit I	Statics : An arbitrary force System in space. Equilibrium in the presence of sliding Friction force. Virtual work.	NM	April
		Unit III	Mechanics : Newton's Laws of Motion and Law of Gravitation : Space, Time, Mass, Force, Inertial Reference Frame, Principle of Equivalence. Vector equation of motion. Work, Power, Kinetic Energy, Conservative Forces – Potential energy. Existence of potential energy function Problems in particle dynamics. Planar motion of a particle.	NM	
		Unit V	Rigid Dynamics :	NM	

			<p>The linear momentum Principle : Motion of the Centre of Mass, Conservation of Linear Momentum.</p> <p>The angular momentum principle : Moment of a force about a point, about an axis. Angular momentum about a point, about an axis. Angular momentum Principle about Centre of Mass, Conservation of Angular Momentum (about a point and an axis). Impulsive forces.</p> <p>The Energy Principle : Configuration and degree of freedom of a multi-particle system, energy principle, energy conservation.</p>		
		Unit I	<p>Statics :</p> <p>Stability of Equilibrium.</p>	NM	May
		Unit III	<p>Mechanics :</p> <p>Planar motion of a particle.</p>	NM	
		Unit V	<p>Rigid Dynamics :</p> <p>The Energy Principle : Rocket motion in free space and under gravity, Collision of elastic bodies. The two-body problem.</p>	NM	
F O R T H S E M E S T E	S K I L E N H A N C E	S A G E M A T H & R	<p>Introduction to SageMath and R, Installation Procedure, Use of SageMath & R as a Calculator, Numerical and symbolic computations using Mathematical functions such as square root, trigonometric functions, logarithms, exponentiations etc. Graphical Representations of few functions through plotting in a given interval, Plots of functions with asymptotes, superimposing multiple graphs in one plot , polar plotting of curves.</p>	MR	March

R	M E N T C O U R S E		SageMath & R commands for differentiation , higher order derivatives, plotting $f(x)$ & $f'(x)$ together, integrals, definite integrals etc. Introduction to Programming in Sage Math & R, relational and logical operators, conditional statements, loops and nested loops, without using inbuilt functions write programs for average of integers, mean, median, mode, factorial, checking primes etc.	MR	April
			Use of inbuilt functions that deal with matrices, determinant, inverse of a given real square matrix, solving a system of linear equations, finding roots of a given polynomial, solving differential equations.	MR	May
Internal Assessment End of June					
Tutorial Examination 1st week of July					
Semester End Examination End of July					
S I X T H S E M E S T E R	C O U R S E T H I R T E E N	Unit I	Metric Space : Definition and examples of metric spaces , Open ball, Open set, Closed set, Interior point, Limit point, Closure of set, Boundary point & boundary of a set, Bounded set, Diameter of a set & Distance between two sets, Subspace of a metric space.	RPC / SM	March
		Unit II	Complex Analysis : Stereographic projection, Regions in the complex plane, Limits, limits involving the points at infinity, continuity.	ARC	
		Unit I	Metric Space : Convergence sequence, Cauchy sequence, Completeness, Cantor's Intersection Theorem. Continuous mapping, uniform continuity, compactness, Heine-Borel Theorem in R, Finite Intersection Property, continuous functions on compact sets.	RPC / SM	April

		Unit II	Complex Analysis : Derivatives, differentiation formula, Cauchy-Riemann Equations, sufficient conditions for differentiability, Analytic Functions, Exponential Functions, Logarithmic Functions, Trigonometric and Hyperbolic Functions, Mobius Transformation. Power Series.	ARC		
		Unit I	Metric Space : Concept of connectedness and some examples of connected metric space, Contraction mapping, Banach fixed point Theorem.	RPC / SM	May	
		Unit II	Complex Analysis : Contours, complex integration along a contour & its examples, upper bounds for moduli of contour integrals, Cauchy – Goursat Theorem, Cauchy Integral Formula.	ARC		
C O R E C O U R S E F O R T I N		Unit I	Real Numbers, Machine numbers – floating point and fixed point. Sources of Errors , Rounding of Numbers, Significant digits and error propagation in machine arithmetic operations. Numerical Algorithms – stability & convergence.	NM	March	
		Unit II	Approximation			
		Unit IV	Transcendental and polynomial equation			MR
			Unit II	Interpolation.	NM	April
			Unit V	System of linear algebraic equation , Iterative Methods, Matrix Inversion , The algebraic eigen value problem.	MR	
			Unit III	Numerical Differentiation , Numerical Integration .	NM	May
			Unit VI	Ordinary Differential Equation	MR	

D I S C I P L I N E S P E C I F I C E L E C T I V E S A(2)	F L U I D S T A T I C S & D Y N A M I C S	Unit I	Introduction and Fundamental Concept	MR	March
		Unit III	Kinematics of Fluid	RH	
		Unit II	Hydrostatics	MR	April
		Unit IV	Conservation Equations : Control Mass System, Control Volume System, Isolated System.	RH	
		Unit II	Gas	MR	May
		Unit IV	Conservation of Mass. Conservation of Momentum.	RH	
D S E B (2)	P O I N T S E T T O P	Unit 1	Topological Spaces, Basis, Neighbourhood, Interior Point, Limit Point, Derived Set, Boundary of a Set , Closed Set, Closure & Interior of a Set, Dense Subset, Subspace Topology, Finite Product Topology, Continuous Functions, Open Maps, Closed Maps , Homeomorphisms, Topological Invariants, metric topology, isometry and metric invariants.	SD	March
		Unit 2	First Countability, T_1 and T_2 separation axioms of topological spaces, convergence and cluster point of a	SD	April

		O L O G Y		sequence in topological spaces and some related concepts on first countable as well as on T_2 spaces. Heine's continuity criterion.		
			Unit 3	Connectedness and compactness.	SD	May
Internal Assessment						
End of June						
Tutorial Examination						
1st week of July						
Semester End Examination						
End of July						



K.K.Das College

Department of Mathematics

Academic Plan Even Sem 2022

Mathematics General

Year/ Sem	Paper/ Course	Module / Unit	Topic	Name of the teacher	Month	
S E C O N D S E M E S T E R	C O R E C O U R S E T W O	UNIT I	Differential Calculus II :Sequence of real numbers	SM	March	
		UNIT II	Differential Equation –II : Linear Homogeneous Equation with Constant Coefficients, Linear non-homogeneous equations, The method of variation of parameter.	ARC		
		UNIT III	Vector Algebra : Addition of Vectors , Multiplication of a vector by a scalar.	ARC		
		UNIT IV	Discrete Mathematics : Integers	MBS		
		UNIT I	Differential Calculus II : Infinite Series of Constant Terms	SM	April	
		UNIT II	Differential Equation –II : The Cauchy Euler equation, Simultaneous Differential Equations, Simple eigen value problem.	ARC		
		UNIT III	Vector Algebra : Collinear and Coplanar Vectors, Scalar and Vector Products	ARC		
		UNIT IV	Discrete Mathematics : Congruences	MBS		
		UNIT I	Differential Calculus II : Real Valued Functions defined on an interval (Rolle's Theorem, Mean Value Theorem, Taylor's and Maclaurins Theorem)	SM		May

			,Indeterminate Forms, Problems on Maxima and Minima of functions.		
		UNIT II	Differential Equation –II : Partial Differential Equation	ARC	
		UNIT III	Vector Algebra : Vector Equation of Plane and Straight line, Volume of Tetrahedron, Applications to problems of Mechanics (Work Done and Mechanics)	ARC	
		UNIT IV	Discrete Mathematics : Application of Congruences , Congruence Class, Boolean Algebra	MBS	
Internal Assessment In June					
Tutorial Examination In July					
Semester End Examination In July					
F O R T H S E M E S T E R	C O R E C O U R S E F O U R	UNIT I	Algebra - II : Group Theory , Ring , Field .	MBS	March
		UNIT II	Computer Science & Programming : Fundamentals of Computer Science	ARC	
		UNIT III	Probability & Statistics : Random experiment, Outcome, Event, Mutually Exclusive Events, Equally likely and Exhaustive Events. Classical definition of probability, Theorems of Total Probability, Conditional probability and Statistical Independence. Baye's Theorem and its application, Shortcoming of the classical definition. Axiomatic approach problems.	MBS	
		UNIT I	Algebra - II : Vector Space.	MBS	April
		UNIT II	Computer Science & Programming : Number System , Algorithm & Flow Chart.	ARC	
		UNIT III	Probability & Statistics : Random Variable and its Expectation, Theorems on mathematical expectation. Joint distribution of two random variables. Theoretical Probability Distribution Discrete and Continuous (p.m.f., p.d.f.) Binomial, Poisson and Normal distributions and their properties.	MBS	

		UNIT I	Algebra - II : Real Quadratic Form. Eigen Value , Eigen Vectors and Cayley Hamilton Theorem.	MBS	May	
		UNIT II	Computer Science & Programming : Simple Programs in Fortran 77/90	ARC		
		UNIT III	Probability & Statistics : Statistical Method , Sampling Theory , Bivariate Frequency Distribution, Scatter Diagram, Co-relation Coefficient, Regression Lines.	MBS		
Internal Assessment In June						
Tutorial Examination In July						
Semester End Examination In July						
S E M E S T E R S I X	D S E B	A D V A N C E C A L C U L U S	Unit I	Uniform Convergence of Sequence of Functions and Series of Functions	ARC	March
			Unit II	Power Series , Fourier Series	ARC	April
			Unit III	Laplace Transform	ARC	May
Internal Assessment In June						
Tutorial Examination In July						
Semester End Examination In July						



Academic Plan
Department of Sociology
Session: 2021-22

B.A. 1st Year General Course
Semester-1, Paper: GE/CC-1
(Introduction to Sociology)

Group-A	1.Sociology: Discipline and Perspective		Time
	1. 1	Nature and Scope of Sociology.	19 th Sep to 30 Sep
	1. 2	Sociology as a science.	
	1. 3	Sociology and Common Sense	
Group-B	2.Sociology and Other Social Sciences		Time
	2. 1	Sociology and Social Anthropology	Nov
	2. 2	Sociology & Psychology	
	2. 3	Sociology & History	
Group-C	3.Basic Concepts		Time
	3. 1	Individual and Group	Nov to Dec
	3. 2	Association and Institutions	
	3. 3	Culture and Society	
	3. 4	Social Change	

B.A. 2nd Year General Course
Semester-3, Paper: CC/GE-3
(Sociological Theories)

Group-A	1.Emergence of Sociology as a new discipline: A brief account	Time Aug
Group-B	2.Karl Marx	Time

	2. 1	Materialist Conception of History	Sept
	2. 2	Class and Class Struggle	
Group-C	3.Emile Durkheim		Time
	3. 1	Social Fact	Nov
	3. 2	Forms of Solidarity	
Group-D	4.Max Weber		Time
	4. 1	Ideal Types and Social Action	Dec
	4. 2	Types of Authority	

**B.A. 2nd Year General Course
Semester-3, Paper: SEC-A-(1)
(Techniques of Social Research)**

Group-A	1.Research Design		Time
	1. 1	Formulation of research problem	Aug
	1. 2	Framing research questions	
Group-B	2.Data Collection		Time
	2. 1	Secondary sources: Reading & Reviewing appropriate literature	Sept
	2. 2	Sampling frameworks; Probability & Non-Probability	
	2. 3	Primary sources: Methods of data collection; Questionnaire; Interview; preparation & framing; limitations	
Group-C	3.Data Analysis		Time
	3. 1	Data Recording, Coding, Processing and interpretation	Nov
	3. 2	Content analysis	
	3. 3	Case Study Method	
Group-D	4.Project Report Writing		Time
	4. 1	Writing social research report; some basic considerations	Dec
	4. 2	Organization of the report	

	4.		
	3	Reference & Bibliography	

**B.A. 3rd Year General Course
Semester-5, Paper: DSE-A (2)
(Family, Marriage & Kinship)**

Group-A	1. Introduction to Family, Marriage and Kinship		Time
	1.1	Different forms of family and Marriage	Aug
	1.2	Biological, Social & cultural Kinship	
Group-B	2. Family & Household		Time
	2.1	Structure & Change; Alternatives & Emergent forms of family; Divorce and Separation	Sept
	2.2	Reimagining families: Unconventional family relationships; families of choice	
Group-C	3. Marriage & Kinship		Time
	3.1	Marriage, Alliance, Descent & Prestations	Nov
Group-D	4. Contemporary Issues in Family, Marriage & Kinship		Time
	4.1	Cultural codes in choice & regulation of marriage	15 th
	4.2	Power & discrimination in the family; Gender gap	Nov-D ec
	4.3	New Reproductive Techniques: Assisted Reproductive Technology, Donor insemination, Surrogacy	

**B.A. 3rd Year General Course
Semester-5, Paper: SEC-A-(1)
(Techniques of Social Research)**

Group-A	1. Research Design		Time
	1.1	Formulation of research problem	Aug
	1.2	Framing research questions	
Group-B	2. Data Collection		Time
	2.1	Secondary sources: Reading & Reviewing appropriate literature	Sept
	2.2	Sampling frameworks; Probability & Non-Probability	
2.3	Primary sources: Methods of data collection; Questionnaire; Interview; preparation & framing; limitations		
Group-C	3. Data Analysis		Time
	3.1	Data Recording, Coding, Processing and interpretation	Nov
	3.2	Content analysis	

	3. 3	Case Study Method	
Group-D	4.Project Report Writing		Time
	4. 1	Writing social research report; some basic considerations	Nov to Dec
	4. 2	Organization of the report	
	4. 3	Reference & Bibliography	

**B.A. 1st Year General Course
Semester-2, Paper: CC/GE-2
(Sociology of India)**

Group-A	1.India as a Plural Society		Time	
	1. 1	Unity and Diversity	Up to 15 th Jan	
	1. 2	Problems of National Unity		
Group-B	2.Social Institutions and Practices		Time	
	2. 1	Caste		Jan to Mar
		2.1.1	Sanskritization	
		2.1.2	Changing Aspects	
	2. 2	Tribe		
		2.2.1	Features	
		2.2.2	Tribes in contemporary India	
	2. 3	Class		
		2.3.1	Rural class	
		2.3.2	Urban class	
	2. 4	Village		
		2.4.1	Self-sufficient village community	
	2. 5	Family and Kinship		
2.5.1		Types of family		
2.5.2		Kinship in India		
Group-C	3.Identities and Change		Time	
	3. 1	Dalits' Movement	April	
	3. 2	Women's Movement		
Group-D	4.Challenges to State and Society		Time	
	4. 1	Communalism		May to June
		4.1.1	Problems	
		4.1.2	Solution	

	4. 2	Secularism	
		4.2.1	Concept
		4.2.2	Nature

**B.A. 2nd Year General Course
Semester-4, Paper: CC/GE-4
(Methods of Sociological Enquiry)**

Group-A	1.The Logic of Social Research		Time
	1. 1	Concept; Variables; Propositions	Jan to Feb
	1. 2	Conceptualization and Operationalization	
	1. 3	Formulation and Verification of Hypotheses	
	1. 4	Research Design: Exploratory, Explanatory, Descriptive	
	1. 5	Sampling Logic: Probability and Non-probability	
2.Methodological Perspectives		Time	
Group-B	2. 1	The Positivist Method	Feb to March
	2. 2	The Interpretative Method	
	2. 3	The Comparative Method	
	2. 4	The Ethnographic Method	
Group-C	3.Modes of Enquiry		Time
	3. 1	Theory and Research	April to June
	3. 2	Quantitative & Qualitative: Survey & Experimental Research: Qualitative Field Research & Unobtrusive Research-Types, Tools & Techniques	
	3. 3	Analysis & Interpretation of Data: Quantitative & Qualitative	

**B.A. 2nd Year General Course
Semester-4, Paper: SEC-B-(1)
(Theory and Practice of Development)**

Group-A	1. What is development?	Jan
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Group-B	2. Recent trends in Development and Post development		Time
	2.1	Social development indicators	Jan to Feb
	2.2	Sustainable development	
	2.3	Growth-Development Debate	
2.4	Private-Public Partnership-PPP		
Group-C	3. Social Services & development		Time
	3.1	Concept of Social service	Feb to March
	3.2	Social services for socialization and development	
	3.3	Participatory development: Gender and Development GAD; Civil society & Grassroots initiatives: SHG; NGO	
3.4	Corporate Social Responsibility-CSR		
Group-D	4. Human Development: Growth vs. Development		Time
	4.1	Development with dignity	April to June
	4.2	Decentralization of development: Panchayat & Municipality	
	4.3	MGNREGA	
4.4	Digital India		

**B.A. 3rd Year General Course
Semester-6, Paper: DSE-B-(1)
(Social Stratification)**

Group-A	1. Social Stratification: Concepts and Approaches		Time
	1.1	Concepts	July-Aug
	1.2	Approaches-Marx and Weber	
2. Forms of Social Stratification		Time	
Group-B	2.1	Race and Ethnicity	Sept, Nov
	2.2	Caste and Class	
	2.3	Gender	
	2.4	Poverty and Social Exclusion	
Group-C	3. Social Mobility		Time
	3.1	Concepts	Nov-Dec
	3.2	Factors	
	3.3	Types	

**B.A. 3rd Year General Course
Semester-6, Paper: SEC-B-(2)
(Application of Statistics for Sociology)**

Group-A	1. Basic Concepts: Statistics, population, parameter, statistics, sample, variable	July
Group-B	2. Definition of Social Statistics and use of statistics in Social Research	Aug
Group-C	3. Frequency Distribution	Sept
	4. Graphical presentation of Data	

Group-D	5. Sampling- Types and Use	Nov
	6. Coding and Tabulation	
Group-E	7. Central Tendency-Mean, Median, Mode	Dec

Academic Plan 2020-21

Subject: Statistics

ACADEMIC PLAN – STATISTICS (General)

Semester-I(GE1/CC1)

Semester I	Name of the paper	Topic/Unit	Name of the teacher	Month
		Unit I		
	Descriptive Statistics	Definition and scope of Statistics, concepts of statistical population and sample. quantitative and qualitative, attributes, variables, scales of measurement - nominal, ordinal, interval and ratio.	Asgar Ali	Dec

		Frequency Distribution, Cumulative Distribution and their graphical representation, Histogram . Frequency Polygon, Frequency curve and Ogive	AA	Dec
		Internal Test		Dec
		Unit II		
		Measures of Central Tendency: mathematical and positional. Measures of Dispersion: range, quartile deviation, mean deviation, standard deviation	AA	Jan

		coefficient of variation, moments, skewness and kurtosis.	AA	Jan
		Internal Test		Feb
		Unit III		
		Bivariate data: Definition, scatter diagram, simple, partial and multiple correlation (3 variables only), rank correlation (Spearman).	AA	Feb

		Simple linear regression, principle of least squares and fitting of polynomials and exponential curves.	AA	March
		Internal Test		March
		Final University Exam		March

Academic Plan 2020-21

Subject: Statistics(General)

Semester-III(GE3/CC3): Introduction to Statistical Inference

Semester III	Name of the paper	Topic/Unit	Name of the teacher	Month
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		Unit I		
	Introduction to Statistical Inference	Population and Sample, Parameter and Statistic, Population distribution and Sampling distribution.	AA	Aug
		Statistical Inference: Point Estimation, Interval Estimation and Testing of Statistical Hypothesis.	AA	Sept
		Internal Test		Sept
		Unit II		

		<p>Estimation of population mean, confidence intervals for the parameters of a normal distribution (one sample and two sample problems). The basic idea of significance test. Null and alternative hypothesis. Type I & Type II errors, level of significance, concept of p-value. Tests of proportions.</p>	AA	Nov
		<p>Tests of hypotheses for the parameters of a normal distribution (one sample and two sample</p>	AA	Dec

		problems). Sign test		
		Internal Test		Jan
		Unit III		
		Analysis of variance, one-way and two-way classification.	AA	Jan

		Brief exposure of three basic principles of design of experiments, Statistical concepts of “treatment”, “plot” and “block”. Analysis of completely randomized design, randomized complete block design.	AA	Feb
		Internal Test		Feb
		Final University Exam		March

Academic Plan 2020-21

Subject: Statistics(General)

Semester-V (DSE- A-1): Econometrics

Semester	Name of the paper	Topic/Unit	Name of the teacher	Month
V	Econometrics	Unit-1		
		Introduction: Objective behind building econometric models, nature of econometrics , model building, role of econometrics , structural and reduced forms. Estimation under linear restrictions.	AA	Aug

		Dummy variables, Qualitative data.		
		Unit-II		
		Multicollinearity: Introduction and concepts, detection of multicollinearity, consequences and solutions of multicollinearity.	AA	Sept
		Unit-III		
		Autocorrelation: Concept, consequences of autocorrelated	AA	Oct

		disturbances, detection and solution of autocorrelation. Generalized least squares estimation.		
		Unit-IV		
		Heteroscedastic disturbances: Concepts and efficiency of Aitken estimator with OLS estimator under heteroscedasticity.	AA	Dec
		Consequences of heteroscedasticity. Tests	AA	Jan

		and solutions of heteroscedasticity. Errors in variables: Correlation between error and regressors. Instrumental variable method (Single-equation model with one explanatory variable)		
		Internal Test		Feb
		Final University Exam		March

Subject: Statistics(General)

Semester-II(GE2/CC2): Elementary Probability Theory

Semester II	Name of the paper	Topic/Unit	Name of the teacher	Month
		Unit I		
	Elementary Probability Theory	Probability: Introduction, random experiments, sample space, events and algebra of events. Definitions of Probability – classical, statistical, and axiomatic.	AA	April

		Conditional Probability, laws of addition and multiplication, independent events, theorem of total probability, Bayes' theorem and its applications.	AA	April
		Internal Test		May
		Unit II		

		<p>Random Variables: Discrete and continuous random variables, p.m.f., p.d.f., c.d.f. Illustrations of random variables and its properties. Expectation, variance, moments.</p>	AA	May
		Internal Test		May
		Unit III		

		Standard probability distributions: Binomial, Poisson, geometric, negative binomial, Uniform, normal, exponential.	AA	June
		Weak law of large numbers and Lindeberg-Levy Central Limit Theorem (C.L.T).		June
		Internal Test		July
		Final University Exam		July

Academic Plan 2020-21

Subject: Statistics(General)

Semester-IV(GE4/CC4) Applications of Statistics

Semester IV	Name of the paper	Topic/Unit	Name of the teacher	Month
		Unit I		

	Applications of Statistics	<p>Concept of population and sample, complete enumeration versus sampling, sampling and non-sampling errors. Types of sampling:</p> <p>non-probability and probability sampling, basic principle of sample survey, simple random sampling with and without replacement, definition and procedure of selecting a sample, estimates of: population mean, total and proportion, variances of these estimates, estimates of their variances.</p>	AA	April
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		<p>Stratified random sampling: Technique, estimates</p> <p>of population mean and total, variances of these estimates, estimates of their variances, proportional and optimum allocations.</p>	AA	April
		Internal Test		May
		Unit II		

		<p>Index numbers: Definition, Criteria for a good index number, different types of index numbers. Construction of index</p> <p>numbers of prices and quantities, consumer price index number & wholesale price index number. Uses and limitations</p> <p>of index numbers. Tests for index numbers</p>	AA	May
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		<p>Economic Time Series: Components of time series, Decomposition of time series- Additive and multiplicative model</p> <p>with their merits and demerits, Illustrations of time series.</p> <p>Measurement of trend by method of free-hand curve, method</p> <p>of least squares. Moving average method.</p>	AA	May
		Internal Test		June
		Unit III		

		<p>Demographic Methods: Introduction, measurement of population, rates and ratios of vital events.</p> <p>Measurement of mortality: CDR, SDR (w.r.t. Age and sex), IMR, Standardized death rates.</p>	AA	June
		<p>Life (mortality) tables: definition of its main functions and uses.</p> <p>Measurement of fertility and reproduction: CBR, GFR, and TFR.</p> <p>Measurement of population growth: GRR, NRR.</p>	AA	June
		Internal Test		July

		Final University Exam		July
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Academic Plan 2020-21

Subject: Statistics(General)

Semester-VI : Survival Analysis

Semester VI	Name of the paper	Topic/Unit	Name of the teacher	Month
		Unit-I		
	Survival Analysis	Survival Analysis: Functions of survival times, survival distributions and their applications- exponential, gamma, Weibull, Rayleigh, lognormal distributions, and distribution having bath-tub shaped hazard function. Mean Residual Time.	AA	April

		Unit-II		
		Censoring Schemes: Type I, Type II and progressive or random censoring with biological examples. Estimation of mean survival time and variance of the estimator for Type I and Type II censored data with numerical examples.	AA	May
		Unit-III		
		Non-parametric methods: Actuarial and Kaplan-Meier methods for estimating survival function and variance of the Estimator.	AA	June
		Internal Exam		July
		Final University Exam		July

ACADEMIC PLAN

2021-22

DEPARTMENT OF BENGALI

K. K. DAS COLLEGE

B.A. BENGALI (Honours)

Semester- I

Bengali Core Course I: BNG-A-CC-1-1-TH-TU

বাংলা সাহিত্যের ইতিহাস (১৮০০ খ্রিঃ পর্যন্ত)

Faculty: Dr. Anjana Brahma (AB), Dr. Putul Chakraborty (PC), Sripati Pramanik (SP)

Module	Topic	Faculty	Month
I	বাংলা ভাষা ও সাহিত্যের ইতিহাস সম্পর্কিত সাধারণ ধারণা	PC	Sep-Jan
	বাংলা সাহিত্যের যুগবিভাগ – প্রসঙ্গ ও বিতর্ক	PC	Sep-Jan
	বাংলা ভাষা ও সাহিত্যের আদি পর্বের গতিপ্রকৃতি ও নিদর্শন সমূহ	PC	Sep-Jan
	চর্যাপদ, শ্রীকৃষ্ণকীর্তন	PC	Sep-Jan
II	অনুবাদ সাহিত্য – ভাগবত, রামায়ণ ও মহাভারত	SP	Sep-Jan
	বৈষ্ণব পদাবলী – বিদ্যাপতি, চন্দ্রীদাস, জ্ঞানদাস, গোবিন্দদাস	SP	Sep-Jan
	চৈতন্য-চরিত সাহিত্য – চৈতন্যভাগবত, শ্রীচৈতন্যচরিতামৃত	SP	Sep-Jan
III	মঙ্গলকাব্যের উদ্ভব ও বিকাশ	AB	Sep-Jan
	মনসামঙ্গল, ধর্মমঙ্গল, চন্দ্রীমঙ্গল ও অন্নদামঙ্গল	AB	Sep-Jan
	প্রণয়োপাখ্যান – শাহ মহম্মদ সগীর, দৌলত কাজী ও আলাওল	AB	Sep-Jan
	শাক্ত পদাবলী – রামপ্রসাদ সেন ও কমলাকান্ত ভট্টাচার্য	AB	Sep-Jan

Bengali Core Course II: BNG-A-CC-1-2-TH-TU

বর্ণনামূলক ভাষাবিজ্ঞান ও বাংলাভাষা

Faculty: Dr. Anunoy Chaterjee (AC) & Anamika Roy (AR)

Module	Topic	Faculty	Month
I	ধ্বনি, বর্ণ, অক্ষর – সংজ্ঞার্থ ও পারস্পরিক সম্পর্ক	AC	Sep-Jan
	উচ্চারণস্থান ও উচ্চারণপ্রকৃতি অনুযায়ী বাংলা স্বর ও ব্যঞ্জনধ্বনিগুলির পরিচয়	AC	Sep-Jan
	মৌলিক স্বরধ্বনি ও স্বনিমের ধারণা	AC	Sep-Jan
	বাংলা ভাষার শব্দ ভান্ডার	AR	Sep-Jan
II	শব্দ বিবর্তন, বাংলা ভাষার ধ্বনি পরিবর্তনের রীতি ও প্রকৃতি	AR	Sep-Jan
	বাংলা শব্দার্থ পরিবর্তনের ধারা, বাংলা ভাষার উপভাষা	AR	Sep-Jan
III	বাংলা ভাষার রূপতাত্ত্বিক আলোচনা – বচন, লিঙ্গ, পুরুষ, সামাস, বিভক্তি, কারক, প্রত্যয়, ক্রিয়ার কাল ও অব্যয়	AC	Sep-Jan

Semester- II

Bengali Core Course III: BNG-A-CC-2-3-TH-TU

বাংলা সাহিত্যের ইতিহাস (উনিশ শতক)

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP)

	Topic	Faculty	Month
Module I কাব্য-কবিতা ও নাটক-প্রহসন	বাংলা কাব্যে আধুনিকতার সঞ্চার – প্রেক্ষাপট ও স্বরূপ	SP	Feb-June
	আধুনিক বাংলা নাটকের উদ্ভব ও বিকাশ	AC	Feb-June
Module II কথাসাহিত্য ও সাময়িক পত্র	নকশা-কথাগদ্য থেকে উপন্যাস- বাংলা উপন্যাসের উদ্ভব ও বিকাশ	AC	Feb-June
	বাংলা সাময়িক পত্রের উদ্ভব ও বিকাশ	PC	Feb-June
Module III গদ্য ও প্রবন্ধ	বাংলা সাহিত্যে গদ্য রীতি গৃহীত হওয়ার পটভূমি	PC	Feb-June
	বাংলা গদ্যের চর্চা ও বিকাশে শ্রীরামপুর মিশন ও ফোর্ট উইলিয়াম কলেজের ভূমিকা	PC	Feb-June
	বাংলা গদ্যের বিকাশে বিভিন্ন সাময়িক পত্রের অবদান	PC	Feb-June
	বাংলা গদ্য ও প্রবন্ধ সাহিত্যের বিকাশ	AB	Feb-June

Bengali Core Course IV: BNG-A-CC-2-4-TH-TU

বাংলা সাহিত্য : প্রবেশক পাঠ

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP) & Anamika Roy (AR)

	Topic	Faculty	Month
Module I কবিতা	১৬ টি নির্বাচিত বাংলা কবিতা	AB	Feb-June
Module II কথাসাহিত্য	বঙ্কিমচন্দ্র চট্টোপাধ্যায় - কপালকুন্ডলা	AR	Feb-June
	শরৎচন্দ্র চট্টোপাধ্যায় - অভাগীর স্বর্গ, পরশুরাম - লক্ষকর্ণ, সতীনাথ ভাদুড়ী - চরণদাস এম. এল. এ, সমরেশ বসু - আদাব	PC	Feb-June
Module III নাটক ও গদ্য প্রবন্ধ	দীনবন্ধু মিত্র - নীলদর্পণ	AC	Feb-June
	রবীন্দ্রনাথ ঠাকুর - বাজেকথা, প্রমথ চৌধুরী - বইপড়া	SP	Feb-June
	অবনীন্দ্রনাথ ঠাকুর - সৌন্দর্যের সন্ধানে, সোফিয়া খাতুন - উনবিংশ শতাব্দীর নারীবিপ্লব	AC	Feb-June

Semester- III

Bengali Core Course V: BNG-A-CC-3-5-TH-TU

বাংলা সাহিত্যের ইতিহাস (বিংশ শতক)

Faculty: Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC), Sripati Pramanik (SP)

Module	Topic	Faculty	Month
I	কাব্য-কবিতা	SP	Aug- Dec
	নাটক	AC	Aug- Dec
II	কথাসাহিত্য	PC	Aug- Dec
III	গদ্য ও প্রবন্ধ	PC	Aug- Dec
	সাময়িক পত্র	PC	Aug- Dec

Bengali Core Course VI: BNG-A-CC-3-6-TH-TU

ঐতিহাসিক ভাষাবিজ্ঞান

Faculty : Dr. Anunoy Chaterjee (AC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	ভাষা, প্রাচীন ভারতীয় অর্থভাষা থেকে বাংলা ভাষার উদ্ভব	AC	Aug- Dec
II	প্রাচীন ও আদি-মধ্য বাংলা ভাষার ভাষাতাত্ত্বিক লক্ষণ	AR	Aug- Dec
III	অন্ত-মধ্য বাংলা ভাষার ভাষাতাত্ত্বিক লক্ষণ	AR	Aug- Dec
	আধুনিক বাংলা ভাষার ভাষাতাত্ত্বিক লক্ষণ	AC	Aug- Dec

Bengali Core Course VII: BNG-A-CC-3-7-TH-TU

কথাসাহিত্য

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP) & Anamika Roy (AR)

Module	Topic	Faculty	Month
Module I	যোগাযোগ – রবীন্দ্রনাথ ঠাকুর	AB	Aug- Dec
Module II	পদ্মানদীর মাঝি – মানিক বন্দ্যোপাধ্যায়	SP	Aug- Dec
Module III	রবীন্দ্রনাথ ঠাকুরের ছোটগল্প	AB	Aug- Dec
	একালের ছোটগল্প সঞ্চয়ন	PC	Aug- Dec

Skill Enhancement Course (SEC): BNG-A-SEC-A-3-2-TH

ব্যবহারিক বাংলা - ১

Faculty: Dr. Anunoy Chaterjee (AC)

Module	Topic	Faculty	Month
I	গল্প/উপন্যাস থেকে কাহিনি, নাট্যরূপ/চিত্রনাট্য নির্মাণ	AC	Sept
II	বাংলা শব্দের সঠিক উচ্চারণ, ছন্দ, আবৃত্তিচর্চা	AC	Nov
III	সাহিত্য ও চলচ্চিত্র	AC	Dec

Semester- IV

Bengali Core Course VIII: BNG-A-CC-4-8-TH-TU

প্রাগাধুনিক সাহিত্য

Faculty: Dr. Putul Chakraborty (PC), Sripati Pramanik (SP) & Anamika Roy (AR)

Module	Topic	Faculty	Month
I	বৈষ্ণব পদাবলী	AR	Feb-June
II	চন্দীমঙ্গল (১ম খন্ড) – মুকুন্দ চক্রবর্তী	PC	Feb-June
III	শাক্ত পদাবলী	SP	Feb-June

Bengali Core Course IX: BNG-A-CC-4-9-TH-TU

ছন্দ, অলংকার ও কাব্যতত্ত্ব

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chatterjee (AC)

Module	Topic	Faculty	Month
I	ছন্দ	AC	Feb-June
II	অলংকার	AB	Feb-June
III	কাব্যতত্ত্ব	AB	Feb-June

Bengali Core Course X: BNG-A-CC-4-10-TH-TU

প্রবন্ধ ও বিবিধ রচনা

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chatterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP) & Anamika Roy (AR)

Module	Topic	Faculty	Month
I	কমলাকান্তের দপ্তর – বঙ্কিমচন্দ্র চট্টোপাধ্যায়	SP	Feb-June
	একালের প্রবন্ধ সংকলন	PC	Feb-June
II	সাহিত্য – রবীন্দ্রনাথ ঠাকুর	AB	Feb-June
	একালের সমালোচনা সংকলন	AC	Feb-June
III	ছিন্নপত্র - রবীন্দ্রনাথ ঠাকুর	AR	Feb-June

Skill Enhancement Course (SEC): BNG-A-SEC-B-4-2-TH

ব্যবহারিক বাংলা - ২

Faculty: Dr. Anunoy Chatterjee (AC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	সৃজনশীল রচনা	AC	Apr-May
II	বাংলা বানানের বিবর্তন, বানান বিধি	AC	May-Jun
III	আন্তর্জাতিক ধ্বনিমূলক বর্ণমালা (IPA), রোমীয় লিপি	AR	May-Jun

Semester- V

Bengali Core Course XI: BNG-A-CC-5-11-TH-TU

সাহিত্যের রূপ ও রীতি

Faculty: Dr. Anunoy Chatterjee (AC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	কবিতার বিভিন্ন রূপকল্প	AR	Aug-Dec
	নাটকের রূপকল্প	AC	Aug-Dec
II	উপন্যাস ও ছোটগল্প	AC	Aug-Dec
III	প্রবন্ধ, সামালোচনা ও অন্যান্য সংরূপ	AR	Aug-Dec

Bengali Core Course XII: BNG-A-CC-5-12-TH-TU

নাটক ও নাট্যমঞ্চ

Faculty: Dr. Anjana Brahma (AB), Dr. Putul Chakraborty (PC), Sripati Pramanik (SP)

Module	Topic	Faculty	Month
I	বুড সালিকের ঘাড়ে রোঁ – মধুসূদন দত্ত	PC	Aug-Dec
	মুক্তধারা - রবীন্দ্রনাথ ঠাকুর	AB	Aug-Dec
II	কারাগার – মন্মথ রায়	PC	Aug-Dec
	টিনের তলোয়ার – উৎপল দত্ত	SP	Aug-Dec
III	রঙ্গমঞ্চের ইতিহাস	PC	Aug-Dec
	ন্যাশানাল থিয়েটার থেকে নবনাট্য আন্দোলন	SP	Aug-Dec

Discipline Specific Elective: BNG-A-DSE-A-5-2-TH-TU

বাংলাদেশের সাহিত্য

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP) & Anamika Roy (AR)

	Topic	Faculty	Month
Module I কথাসাহিত্য	সূর্য দীঘল বাড়ি – আবু ইসহাক	AC	Aug-Dec
	বাংলাদেশের গল্প	SP	Aug-Dec
Module II কবিতা ও নাটক	বাংলাদেশের শ্রেষ্ঠ কবিতা	AB	Aug-Dec
	কবর – মুনীর চৌধুরী	PC	Aug-Dec
Module III প্রবন্ধ	বাঙালি ও বাংলাদেশ গ্রন্থ থেকে নির্বাচিত প্রবন্ধ	AR	Aug-Dec

Discipline Specific Elective: BNG-A-DSE-B-5-1-TH-TU

বাংলা শিশু-কিশোর সাহিত্য

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP) & Anamika Roy (AR)

Module	Topic	Faculty	Month
I	ক্ষীরের পুতুল – অবনীন্দ্রনাথ ঠাকুর	PC	Aug-Dec
	ঠাকুরমার ঝুলি – দক্ষিণারঞ্জন মিত্র মজুমদার	SP	Aug-Dec
II	আবোল ভাবোল – সুকুমার রায়	AB	Aug-Dec
	ছড়াসমগ্র – অন্নদাশঙ্কর রায়	AR	Aug-Dec
III	বাদশাহী আংটি – সত্যজিৎ রায়	AC	Aug-Dec
	সবুজ দ্বীপের রাজা – সুনীল গঙ্গোপাধ্যায়	AC	Aug-Dec

Semester- VI

Bengali Core Course XIII: BNG-A-CC-6-13-TH-TU

আধুনিক বাংলা কাব্য-কবিতা

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP) & Anamika Roy (AR)

Module	Topic	Faculty	Month
I	বীরাঙ্গনা কাব্য - মধুসূদন দত্ত	AR	Feb-June
II	সোনার তরী - রবীন্দ্রনাথ ঠাকুর	AB	Feb-June
	সঞ্চিতা – কাজী নজরুল ইসলাম	PC	Feb-June
III	একালের কবিতা সঙ্কলন (৫ টি নির্বাচিত কবিতা)	SP	Feb-June
	একালের কবিতা সঙ্কলন (৫ টি নির্বাচিত কবিতা)	AC	Feb-June

Bengali Core Course XIV: BNG-A-CC-6-14-TH-TU

সংস্কৃত, ইংরেজি ও প্রতিবেশী (হিন্দী) সাহিত্যের ইতিহাস

Faculty: Dr. Anjana Brahma (AB), Dr. Putul Chakraborty (PC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	সংস্কৃত সাহিত্যের সংক্ষিপ্ত ইতিহাস	AB	Feb-June
II	ইংরেজি সাহিত্যের সংক্ষিপ্ত ইতিহাস	AR	Feb-June
III	প্রতিবেশী (হিন্দী) সাহিত্যের ইতিহাস	PC	Feb-June

Discipline Specific Elective: BNG-A-DSE-A-6-3-TH-TU

বাংলা গোয়েন্দা সাহিত্য, কল্পবিজ্ঞান আশ্রয়ী রচনা এবং অলৌকিক কাহিনি

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chatterjee (AC) Dr. Putul Chakraborty (PC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	শজারুফ কঁটা – শরদিন্দু বন্দ্যোপাধ্যায়	AB	Feb-June
II	শঙ্কু সমগ্র – সত্যজিৎ রায়	AR	Feb-June
III	সব ভুতুড়ে – লীলা মজুমদার	PC	Feb-June
	সব ভুতুড়ে – লীলা মজুমদার	AC	Feb-June

Discipline Specific Elective: BNG-A-DSE-B-6-4-TH-TU

লোকসংস্কৃতি ও লোকসাহিত্য

Faculty: Dr. Anunoy Chatterjee (AC) Dr. Putul Chakraborty (PC), Sripati Pramanik (SP)

Module	Topic	Faculty	Month
I	লোকসংস্কৃতি ও লোকসাহিত্যের সাধারণ পরিচয়	AC	Feb-June
II	লোকছড়া, লোকনৃত্য, ধাঁধা	PC	Feb-June
III	বাংলা প্রবাদ, লোকগান, লোককথা	SP	Feb-June

B.A. BENGALI (General)

Semester- I

Bengali Core Course I/Generic Elective Course I: BNG-G-CC/GE-1-1-TH-TU

বাংলা সাহিত্যের ইতিহাস (আধুনিক যুগ)

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chatterjee (AC), Dr. Putul Chakraborty (PC),

Sripati Pramanik (SP), Anamika Roy (AR)

	Topic	Faculty	Month
Module I গদ্য ও প্রবন্ধ	শ্রীরামপুর মিশন, ফোর্ট উইলিয়াম কলেজ রাজা রামমোহন রায়, ঈশ্বরচন্দ্র বিদ্যাসাগর, অক্ষয় কুমার দত্ত	AR	Sep-Jan
	প্যারীচাঁদ মিত্র, কালীপ্রসন্ন সিংহ, বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর, প্রমথ চৌধুরী, বুদ্ধদেব বসু	PC	Sep-Jan
Module II কাব্য-কবিতা ও নাটক	ঈশ্বরচন্দ্র গুপ্ত, রঙ্গলাল বন্দ্যোপাধ্যায়, মধুসূদন দত্ত, বিহারীলাল চক্রবর্তী, রবীন্দ্রনাথ ঠাকুর, কাজী নজরুল ইসলাম, যতীন্দ্রনাথ সেনগুপ্ত, জীবনানন্দ দাশ, সুভাষ মুখোপাধ্যায়	SP	Sep-Jan
	মধুসূদন দত্ত, দীনবন্ধু মিত্র, গিরিশচন্দ্র ঘোষ, রবীন্দ্রনাথ ঠাকুর, দ্বিজেন্দ্রলাল রায়, বিজন ভট্টাচার্য	AC	Sep-Jan
Module III উপন্যাস ও ছোটগল্প	বাংলা উপন্যাসের উদ্ভব ও বিকাশ বঙ্কিমচন্দ্র চট্টোপাধ্যায়, রবীন্দ্রনাথ ঠাকুর, শরৎচন্দ্র চট্টোপাধ্যায়, বিভূতিভূষণ বন্দ্যোপাধ্যায়, মানিক বন্দ্যোপাধ্যায়, তারাশঙ্কর বন্দ্যোপাধ্যায়	AB	Sep-Jan

Semester- II

Bengali Core Course II/Generic Elective Course II: BNG-G-CC/GE-2-2-TH-TU

ঐতিহাসিক ভাষাবিজ্ঞান, ছন্দ ও অলঙ্কার

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chatterjee (AC), Anamika Roy (AR)

	Topic	Faculty	Month
Module I ঐতিহাসিক ভাষাবিজ্ঞান	প্রাচীন ভারতীয় আর্য ভাষা থেকে আধুনিক ভারতীয় আর্য ভাষা হিসেবে বাংলা ভাষার উদ্ভবের গতিরেখা	AC	Feb-June
	আদি-মধ্য বাংলা ভাষার ভাষাতাত্ত্বিক লক্ষণ – প্রেক্ষিত শ্রীকৃষ্ণকীর্তন	AR	Feb-June
Module II ছন্দ	অক্ষর, দল, কলা, মাত্রা, যতি, পদ, পঙ্ক্তি/চরণ – সংজ্ঞা ও উদাহরণ বাংলা ছন্দের ত্রিধারা – সংজ্ঞা, বৈশিষ্ট্য ও উদাহরণ ছন্দোলিপি প্রণয়ন	AC	Feb-June
Module III অলঙ্কার	অলঙ্কার সম্পর্কে সাধারণ ধারণা অনুপ্রাস, যমক, শ্লেষ, বক্রোক্তি, উপমা, রূপক, উৎপ্রেক্ষা, সমাসোক্তি, ব্যাজস্তুতি, ব্যতিরেক - সংজ্ঞা ও উদাহরণ অলঙ্কার নির্ণয়	AB	Feb-June

Semester- III

Bengali Core Course III/Generic Elective Course III: BNG-G-CC/GE-3-3-TH-TU

বাংলা কাব্য-কবিতা ও নাটক

**Faculty: Dr. Anjana Brahma (AB), Dr. Putul Chakraborty (PC), Sripati Pramanik (SP),
Anamika Roy (AR)**

	Topic	Faculty	Month
Module I প্রাগাধুনিক কবিতা	বৈষ্ণব পদাবলী	AR	Sep-Jan
Module II আধুনিক কবিতা	পুনশ্চ (নির্বাচিত কবিতা) – রবীন্দ্রনাথ ঠাকুর	PC	Sep-Jan
	একালের কবিতা সঞ্চয়ন (নির্বাচিত কবিতা)	SP	Sep-Jan
Module III বাংলা নাটক	রাজা ও রানী - রবীন্দ্রনাথ ঠাকুর	AB	Sep-Jan

Skill Enhancement Course (SEC): BNG-G-SEC-A-3/5-2-TH

ব্যবহারিক বাংলা - ১

Faculty: Dr. Anunoy Chatterjee (AC)

Module	Topic	Faculty	Month
I	গল্প/উপন্যাস থেকে কাহিনি, নাট্যরূপ/চিত্রনাট্য নির্মাণ	AC	Sept
II	বাংলা শব্দের সঠিক উচ্চারণ, ছন্দ, আবৃত্তিচর্চা	AC	Nov
III	সাহিত্য ও চলচ্চিত্র	AC	Dec

Semester- IV

Bengali Core Course IV/Generic Elective Course IV: BNG-G-CC/GE-4-4-TH-TU

বাংলা কথাসাহিত্য ও প্রবন্ধ

Faculty: Dr. Anjana Brahma (AB), Dr. Putul Chakraborty (PC), Sripati Pramanik (SP)

	Topic	Faculty	Month
Module I উপন্যাস	পল্লীসমাজ – শরৎচন্দ্র চট্টোপাধ্যায়	SP	Feb-June
Module II ছোটগল্প	একালের ছোটগল্প সঞ্চয়ন	PC	Feb-June
Module III প্রবন্ধ	সংকলন - রবীন্দ্রনাথ ঠাকুর	AB	Feb-June

BNG-G-LCC(2)-4-1-TH-TU

বাংলা ভাষা বিজ্ঞান, সাহিত্যের রূপভেদ ও কাব্য

Faculty: Dr. Anunoy Chaterjee (AC), Anamika Roy (AR)

	Topic	Faculty	Month
Module I	বাংলা ভাষা বিজ্ঞান	AC	Feb-June
Module II	সাহিত্যের রূপভেদ	AR	Feb-June
Module III	মেঘনাদবধ কাব্য – মাইকেল মধুসূদন দত্ত	AR	Feb-June

Skill Enhancement Course (SEC): BNG-G-SEC-B-4/6-2-TH

ব্যবহারিক বাংলা - ২

Faculty: Dr. Anunoy Chaterjee (AC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	সৃজনশীল রচনা	AC	Feb-June
II	বাংলা বানানের বিবর্তন, বানান বিধি	AC	Feb-June
III	আন্তর্জাতিক ধ্বনিমূলক বর্ণমালা (IPA), রোমীয় লিপি	AR	Feb-June

Semester- V

Discipline Specific Elective: BNG-G-DSE-A-5-2-TH-TU

বাংলা গোয়েন্দা সাহিত্য, কল্পবিজ্ঞান আশ্রয়ী রচনা এবং অলৌকিক কাহিনি

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	শজারুংর কাঁটা – শরদিল্দু বন্দ্যোপাধ্যায়	AB	Aug-Dec
II	শঙ্কু সমগ্র – সত্যজিৎ রায়	AR	Aug-Dec
III	সব ভুতুড়ে – লীলা মজুমদার	PC, AC	Aug-Dec

Skill Enhancement Course (SEC): BNG-G-SEC-A-3/5-2-TH

ব্যবহারিক বাংলা - ১

Faculty: Dr. Anunoy Chaterjee (AC)

Module	Topic	Faculty	Month
I	গল্প/উপন্যাস থেকে কাহিনি, নাট্যরূপ/চিত্রনাট্য নির্মাণ	AC	Sept
II	বাংলা শব্দের সঠিক উচ্চারণ, ছন্দ, আবৃত্তিচর্চা	AC	Nov
III	সাহিত্য ও চলচ্চিত্র	AC	Dec

Semester- VI

Discipline Specific Elective: BNG-G-DSE-B-6-2-TH-TU

লোকসংস্কৃতি ও লোকসাহিত্য

Faculty: Dr. Anunoy Chaterjee (AC) Dr. Putul Chakraborty (PC), Sripati Pramanik (SP)

Module	Topic	Faculty	Month
I	লোকসংস্কৃতি ও লোকসাহিত্যের সাধারণ পরিচয়	AC	Feb-June
II	লোকছড়া, লোকনৃত্য, ধাঁধা	PC	Feb-June
III	বাংলা প্রবাদ, লোকগান, লোককথা	SP	Feb-June

BNG-G-LCC(2)-6-2-TH-TU

সাময়িক পত্র ও কথাসাহিত্য

Faculty: Dr. Anjana Brahma (AB), Dr. Putul Chakraborty (PC), Sripati Pramanik (SP)

	Topic	Faculty	Month
Module I	সাময়িক পত্র	SP	Feb-June
Module II	উপন্যাস: রজনী – বঙ্কিমচন্দ্র চট্টোপাধ্যায়	AB	Feb-June
Module III	ছোটগল্প: একালের ছোটগল্প সংকলন	PC	Feb-June

Skill Enhancement Course (SEC): BNG-G-SEC-B-4/6-2-TH

ব্যবহারিক বাংলা - ২

Faculty: Dr. Anunoy Chatterjee (AC), Anamika Roy (AR)

Module	Topic	Faculty	Month
I	সৃজনশীল রচনা	AC	Feb-June
II	বাংলা বানানের বিবর্তন, বানান বিধি	AC	Feb-June
III	আন্তর্জাতিক ধ্বনিমূলক বর্ণমালা (IPA), রোমীয় লিপি	AR	Feb-June

Ability Enhancement Compulsory Course (AECC-I)

MIL (Bengali)

কলা, বিজ্ঞান ও বাণিজ্যসহ সমস্ত বিভাগের পড়ুয়াদের জন্য

BNG-AECC-1-1-TH

Faculty: Dr. Anjana Brahma (AB), Dr. Anunoy Chatterjee (AC) Dr. Putul Chakraborty (PC),
Sripati Pramanik (SP) & Anamika Roy (AR)

	Topic	Month	Faculty
Module I প্রবন্ধ	স্বদেশী সমাজ - রবীন্দ্রনাথ ঠাকুর বাঙ্গালা ভাষা – স্বামী বিবেকানন্দ স্ত্রী জাতির অবনতি - বেগম রোকেয়া অপবিজ্ঞান – রাজশেখর বসু	Sep-Jan	BA/BSc (H) - PC BA/BSc (G) - SP BCom (H) - AC BCom (G) - AR
Module II ছোটগল্প	রবীন্দ্রনাথ ঠাকুর লিখিত ছুটি, জীবিত ও মৃত, পোস্টমাস্টার, বলাই	Sep-Jan	
Module III কবিতা	নৈবেদ্য - রবীন্দ্রনাথ ঠাকুর	Sep-Jan	
Module IV পরিভাষা	পরিভাষা	Sep-Jan	

** This is a tentative distribution for successful completion of the syllabus. The Department, although has responsibility towards the successful completion of the syllabus, however, holds that the distribution of Month and syllabus is subjected to modification under unavoidable circumstances within the bounded time-frame.*

Dr. Anjana Brahma
(HOD, Department of Bengali)
K.K. Das College

K.K.DAS COLLEGE
B.SC COMPUTER SCIENCE (GENERAL)
2020-2021
ACADEMIC PLAN 2021-22

	Name Of the paper	Paper	No.of Module	Topic/Unit	Name of the teacher	Month
1	Computer Science (General) Semester I	1(Theoretical)	1	General Concepts Introduction, computer hardware & software, evolution, Generations of programming languages, Virus, Multimedia, Object Oriented Paradigm.	MKB	December - March
1			2	Digital logic Design Number System, Combinational Logic.	RP	December - February
1			3	Sequential Logic.	RP	February-March
1				INTERNAL ASSESSMENT		
1		2(Practical)	1	Word processing, Document Preparation & Presentation and Spreadsheet.	MKB	December - March
1			2	Web designing by HTML.	PP	December-February
1			3	Projects using HTML	PP	February - March
				INTERNAL ASSESSMENT		
2	Semester II	2(Theoretical)	1	Introduction: Algorithms, ADT.	PP	April - May
			2	Arrays: One dimensional and Two Dimensional Arrays, Row Major and Column Major Forms.	PP	April - May

			3	Linked List: Singly and Doubly Linked List; Operations like Insertion, Deletion. Searching.	PP	June
			4	Stacks and Queues: Concepts of Stack and Queue; Insertion and Deletion of Elements;	RP	April - May
			5	Array and Linked Representation: Prefix, Infix and Postfix Notation; Postfix Expression Evaluation, Infix to Postfix.	RP	May - June
			6	Searching: Algorithms of Sequential, Binary Search Techniques.	PP	July
			7	Sorting: Bubble Sort, Selection Sort, Insertion Sort, Quick Sort, Merge Sort, Heap Sort.	RP	July
				INTERNAL ASSESSMENT		
2		2 (Practical)	1	Basic Structure: Character set, keywords, identifiers, constants, variables and type declaration. Sample programs, preprocessor. Operators: Arithmetic, Relational, Logical, Assignment, Increment and Decrement, Conditional, comma; operator precedence and associativity; arithmetic expression-evaluation and type conversion. Character I/O, Escape sequence and formatted I/O.	MKB	April - May

				Branching and Looping: if, if-else, while, do-while, for. Arrays: One-dimensional and 2-dimensional. Different types of uses. String handling with arrays – read and write, concatenation, comparison, string functions. User defined functions: Need; Call by Reference and Call by value; return values and types; nesting of functions; recursion. Structures: Initialization; arrays of a structure, arrays within structures, structure within structure, size of structures, Dynamic Storage Allocation.	MKB	May - June
				Pointers: Declaration and initialization; operators; pointer arithmetic; accessing variables, pointer & arrays, strings, functions, Linked lists, concepts and use in C with different examples. File handling: Opening & Closing, I/O. Other Features: Bit level operations, macro definitions, union, command line arguments	MKB	June - July
				INTERNAL ASSESSMENT		
3	Semester III	3(Theoretical)	1	Computer Architecture and Organization Central Processing Unit (CPU) ALU.	RP	August
			2	Control Unit ,I/O, Memory	RP	September

			3	Operating System Operating System, Process, Process Scheduling.	RP	October - December
			4	Memory Management.	RP	January - February
				INTERNAL ASSESSMENT		

3		3(Practical)	1	Concepts of python programming. Basics of oops, pop programming paradigm	PP	August - September
			2	Making flowcharts and algorithms. Introduction to python. Writing simple python programs and executing them	PP	October - November
			3	Looping, branching statements, library functions, user defined function, recursion, lists.	PP	December - February
				INTERNAL ASSESSMENT		
4	Semester IV	4(Theoretical)	1	System Software: Introduction: Different System Softwares Introduction to Operating Systems: What is OS? User mode, Kernel mode, Mode Switching, Multiprogramming, Multitasking OS, Concepts of processes, Files, Shell, System calls, Time sharing systems	PP	April - May
			2	Types of operating systems: Operating systems for personal computers & workstations. Concepts of Synchronization: Critical Regions, Semaphores,	PP	April - May

				Monitor Inter Process Communication Mechanism.		
			3	Processor Management: Scheduling and its types, Priority Queue;	RP	May - June
			4	Deadlock: Definition, Prevention, Avoidance, Detection, Recovery.	PP	May - June
			5	I/O Management: Device and Device Controllers, Interrupt Handlers and Device drivers.	PP	June - July
			6	Memory Management: Logical & Physical memory, Contiguous allocation, Paging, Segmentation, Swapping, Real and Virtual memory, Page Replacement Techniques.	RP	July
			7	File Systems: Files and Directories, File Servers, Security and Protection.	PP	July
				INTERNAL ASSESSMENT		
4		4 (Practical)	1	Shell Programming: Concept and simple programming problems.	MKB	April - May
			2	Linux system calls, IPC problems, use of semaphore for synchronization problems.		June-July
				INTERNAL ASSESSMENT		
5	Semester V	5 (Theoretical)	1	Introduction: Drawbacks of Legacy System; Advantages of DBMS; Layered Architecture of Database, Data Independence; Data Models; Schemas And Instances;	PP	August

			2	Database Languages; Database ER Model:Entity, Attributes and Relationship; Structural Constraints; Keys; ER Diagram of Some Example Database; Weak Entity Set; Symbolic Conventions; Specialization and Generalization; Constraints of Specialization and Generalization; Aggregation.	PP & RP	September- October
			3	Relational Model: Basic Concepts of Relational Model; Relational Algebra; Tuple Relational Calculus; Domain Relational Calculus. Integrity Constraints: Domain Constraints, Referential Integrity, Assertions, Triggers	RP	November - December
			4	Relational Database Design: Problems of Un-Normalized Database; Functional Dependencies, Derivation Rules, Closure Of FD Set, Membership of A Dependency, Canonical Cover; Decomposition to 1NF, 2NF, 3NF or BCNF Using FD;.	RP	January
			5	Lossless Join Decomposition Algorithm; Dependency preservation	RP	February - March
		SEC A2	1	Defining System, open and closed system, modeling of system, Communication system, Software life cycle, Different Models: Classical and Iterative Waterfall Model; Spiral Model and its importance towards application for different system representations, Comparative Studies	MKB	August - September
			2	Requirements Principles and its	MKB	October

				analysis principles; Specification Principles and its representations		
			3	Different levels of DFD Design, Physical and Logical DFD, Use and Conversions between them, Process Representation – Pseudo English, Tight English, Decision Tables and Trees, Structured analysis – Structure Chart Conversion from DFD: Transform Centric and Transaction Centric conversions algorithms, Coupling and Cohesion of the different modules	MKB	November - December
			4	Heuristic and Empirical Modeling; COCOMO. Software Verification and Validation; Testing objectives, Testing Principles, Testability; Error and Faults; Unit Testing, White Box and Blank Box Testing, Test Case Design: Test Vector, Test Stub	MKB	January
			5	Concepts of Quality, Quality Control, Quality Assurance, SQA Activities, IEEE Standard for Statistical Software Quality Assurances (SSQA) criterions.	MKB	February - March
				INTERNAL ASSESSMENT		
		5(Practical)	1	Basic Structure, Data Definition, Constraints and Schema Changes; Basic SQL Queries (Selection, Insertion, Deletion, Update); Order by Clause; Complex Queries, Aggregate Function and Group by Clause; Nested Sub Queries; Correlated Subqueries; Views (Insert-Able and Updatable), Joined Relations; Set	PP	August - October

				Comparisons (All, Some); Derived Relations Etc.; Grant and Revoke, Transaction in SQL		
			2	PHP Programming Lab	PP	Nov - March
				INTERNAL ASSESSMENT		
6	Semester VI	6(Theoretical) SEC B1	1	Multimedia System: An overview of multimedia system and media streams, Source representation and compression techniques text, speech and audio, still image and video. Multi-modal Communication:Video conferencing, networking support. Multimedia OS: Synchronization and QoS, Multimedia Servers.	MKB	April - July
		DSE B3 (Theoretical)	2	Introduction, Types of errors, Newton Forward and Backward Interpolation. , linear dependency, Rank, Singularity of coefficient matrix, Solution methods: Gaussian Elimination, Gauss-Jordan Elimination.Bisection algorithm, Newton-Raphson Method. Trapezoidal and Simpson's 1/3rd Rules and their composite forms Basic Terminology, Models and Types,	RP & MKB	April - June

				Multigraphs and Weighted graphs, Graph Representation, Graph Isomorphism, Connectivity, Euler and Hamiltonian Paths and Circuits, Planar Graphs, Graph Coloring, Trees, Basic Terminology and properties of Trees.	RP	June - July
				INTERNAL ASSESSMENT		
6		DSE B3 (Practical)	1	Graph theory and Numerical Methods using C/ Python	PP	April - July
				INTERNAL ASSESSMENT		

ACADEMIC PLAN 2021-22

DEPARTMENT OF ECONOMICS

K.K. DAS COLLEGE

Semester- I

Economics Core Course-I: ECO-A-CC-1-1-TH-TU Introductory Microeconomics

Faculty: Madhurima Koley (M.K) &Deepro Majumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Exploring the subject matter of Economics	SG	10	July-Aug
2	Demand and Supply: How Markets Work	SG	10	Aug-Sept
3	Market and Adjustments	SG	10	Sept-Oct
4	Market Sensitivity and Elasticity	SG	12	Oct-Nov
5	Government Intervention	SKG	8	Nov- Dec
6	Utilitarian Approach	DM	25	July-Sept

Economics Core Course II: ECO-A-CC-1-2-TH-TU Mathematical Methods in Economics-I

Faculty: Shumonika Gangoly (S.G) & Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Preliminaries	S.G	10	July- August
2	Functions of one real variable	S.G	10	August- September
3	Single variable optimization	S.G	10	November
4	Integration of functions	S.K.G	10	November
5	Matrix Algebra	S.K.G	20	July-August
6	Game Theory	S.K.G	15	August- September

Semester- II

Economics Core Course III: ECO-A-CC-2-3-TH-TU Introductory Macroeconomics

Faculty: Madhurima Koley (M.K) & Deepro Majumder (D.M)

SrI No.	Topic	Faculty	No. of lecture	Month
1	National Income Accounting	DM	20	Jan-Mar
2	Income Determination in the Short Run (Part-I) :The Simple Keynesian Model in a Closed Economy	D.M	18	Jan-Mar
3	The Classical system	D.M	18	March-May
4	Macroeconomic Foundations –I	DM	19	March-May

Economics Core Course IV: ECO-A-CC-2-4-TH-TU Mathematical Methods in Economics-II

Faculty: Shumonika Gungoly (S.G) & Sayan Kumar Gupta (S.K.G)

SrI No.	Topic	Faculty	No. of lecture	Month
1	Function of several variables	S.K.G	14	January-March
2	Multi-variable optimization	S.G & S.K.G	35	Jan-Mar & May
3	Difference Equations	S.G	12	April- May
4	Differential Equations	S.K.G & S.G	14	March- April & May

Semester- III

Economics Core Course V: ECO-A-CC-3-5-TH-TU

Intermediate Microeconomics –I

Faculty: ShumonikaGungoly (S.G) &Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Theories of Consumer Behaviour and Applications	S.K.G	17	July- Sept
2	Production and Costs	S.G	20	July- Sept
3	The Firm and Perfect Market Structure	S.G	20	Sept-
4	Input Market in Perfect Competition	S.K.G	18	Nov-Dec

Economics Core Course VI: ECO-A-CC-3-6-TH-TU

Intermediate Macroeconomics-I

Faculty: MadhurimaKoley (M.K) &DeeproMajumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Income Determination in the Short-run (Part-II) : The IS-LM Model	D.M	14	July- Aug
2	Aggregate Demand and Aggregate Supply- the Complete Keynesian Model	D.M	14	Aug-Sept
3	Keynes vs. Classics	D.M	10	Sept-Oct
4	Money Supply, Monetary Policy and Government Budgetary Operations	DM	17	Aug-Sept
5	Inflation, Unemployment and Expectations	DM	20	Nov-Dec

Economics Core Course VII: ECO-A-CC-3-7-TH-TU

Statistical Methods for Economics

Faculty: Madhurima Koley (M.K) &Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Introduction and Overview	SG	6	July
2	Descriptive Statistics	SG	13	Aug & Sept
3	Elementary Probability Theory	SG	10	Sept-Oct
4	Probability Distributions	SKG	18	Oct-Nov
5	Sampling	S.K.G	14	Sept-Oct
6	Statistical inference	S.K.G	14	Oct-Nov

**Skill Enhancement Course I: ECO-A-SEC-3-A(1)-TH
Data Analysis [DA]**

Faculty: MadhurimaKoley (M.K)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Collection and representation of data	SG & SKG	12	Aug-Sept
2	Indian Official Statistics (Basic concepts)	SG & SKG	18	Nov-Dec

**Skill Enhancement Course I: ECO-A-SEC-3-A(1)-TH
Rural Development [RD]**

Faculty: DeepruMajumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Aspects of Rural Development	D.M	6	Sept
2	Panchayats and Rural Development	D.M	5	Sept
3	Rural Credit and Self Help Groups(SHG)	D.M	11	Oct-Nov
4	Critical Evaluation of Selected Government Programmes and Rural Development	D.M	8	Nov

Semester- IV

Economics Core Course VIII: ECO-A-CC-4-8-TH-TU

Intermediate Microeconomics II

Faculty: Shumonika Gangoly (S.G) & Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Imperfect Market Structure	S.G & S.K.G	40	Jan-Mar & Mar-Apr
2	Input market under Imperfect Competition	S.G	5	Mar-Apr
3	General Equilibrium, Efficiency and Welfare	S.K.G & S.G	30	Apr-May & May-June

Economics Core Course IX: ECO-A-CC-4-9-TH-TU

Intermediate Macroeconomics II

Faculty: Madhurima Koley (M.K) & Deepro Majumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Basic Tenets of New Classical and New Keynesian Theories	D.M	20	Jan-Feb
2	Macroeconomic Foundations –II	M.K	20	Jan-Feb
3	Economic Growth	D.M	35	Feb- March

Economics Core Course X: ECO-A-CC-4-10-TH-TU

Introductory Econometrics

Faculty: Madhurima Koley (M.K) & Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Nature and Scope of Econometrics	S.K.G	4	Jan
2	Classical Linear Regression Model (Simple linear regression and multiple linear regression):part 1	S.K.G	15	Jan-Feb

3	Classical Linear Regression Model (Simple linear regression and multiple linear regression):part 2	S.K.G	10	March
4	Statistical inference in linear regression model	M.K	26	March-April
5	Violations of Classical Assumptions	M.K	12	April-May
6	Specification Analysis	M.K	8	May-June

Skill Enhancement Course II: ECO-A-SEC-4-B(2)-TH

Research Methodology

Faculty: MadhurimaKoley (M.K) &Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Methodological Issues 1	S.K.G	10	Feb- March
2	Methodological Issues 2	M.K	20	March-April

Skill Enhancement Course II: ECO-A-SEC-4-B(2)-TH

Managerial Economics

Faculty: ShumonikaGangoly (S.G) &DeeproMajumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Demand, Cost and Profit Analysis	D.M	6	Mar – April
2	Pricing Policies and practices	D.M	3	April
3	Capital Budgeting	D.M	8	April-May
4	Cost of capital	D.M	5	May-June
5	Inventory Management	S.G	8	May-June

Semester- V

Economics Core Course XI: ECO-A-CC-5-11-TH-TU

International Economics

Faculty: DeeproMajumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Absolute and Comparative Advantages of Trade	D.M	9	July-Aug
2	The Building Blocks of Trade Theory	D.M	14	Aug-Sept
3	Factor Endowment and Trade (Heckscher-Ohlin-Samuelson Model)	D.M	15	Sept-Oct
4	Applications of Neo-classical Trade Models for developing countries	D.M	10	Oct
5	Trade Policy	D.M	12	Oct-Nov
6	Open Economy Macroeconomics and Balance of Payments	D.M	15	Nov-Dec

Economics Core Course XII: ECO-A-CC-5-12-TH-TU

Indian Economy

Faculty: ShumonikaGangoly (S.G) & sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Economic Development since Independence	S.G	20	Aug-Sept
2	Population and Human Development	S.K.G	15	Sept-Oct
3	Growth and Distribution	S.K.G	20	Oct-Nov
4	Economic Reforms in India	S.G	20	Sept- Oct

Discipline Specific Elective – A(1):

ECO-A-DSE-5-A(1)-TH-P Applied Econometrics [AE]

Faculty: MadhurimaKoley (M.K) & Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Steps in empirical research	S.K.G	10	July
2	Regression Diagnostics and Specification	S.K.G	20	Sept-Oct

3	Application of Regression Analysis	M.K	30	Oct-Dec
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Discipline Specific Elective – A(1):

ECO-A-DSE-5-A(1)-TH-TU

Economic History of India (1857-1947) [EHI]

Faculty: DeeproMajumder (D.M) &Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Impact of British rule on India	S.K.G	30	Aug-Sept
2	Aspects of Economic Policies in British India	D.M	45	Oct-Nov

Discipline Specific Elective-B(1):

ECO-A-DSE-5-B(1)-TH-TU

Comparative Economic Development (1850-1950) [CED]

Faculty :DeeproMajumder (D.M) &sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Strategies and Policies for Economic Development	D.M	30	Sept-Oct
2	Regions of contemporary development	S.K.G	45	Nov-Dec

Discipline Specific Elective-B(1):

ECO-A-DSE-5-B(1)-TH-TU

Financial Economics [FE]

Faculty: MadhurimaKoley (M.K) &ShumonikaGangoly (S.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Investment Theory and Portfolio Analysis	M.K	35	July-Aug
2	Options and Derivatives	M.K	20	Aug-Sept
3	Corporate Finance	S.G	20	Oct-Nov

Semester VI

Economics Core Course XIII: ECO-A-CC-6-13-TH-TU

Public Economics

Faculty: MadhurimaKoley (M.K) 7 ShumonikaGungoly (S.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Government in a Market Economy	M.K	15	Jan- Feb
2	Choice and Public Economics	S.G	20	Feb- Mar
3	The Revenue and Expenditure of the Government	M.K	20	April- May
4	Public Finance	S.G	20	May-June

Economics Core Course XIV: ECO-A-CC-6-14-TH-TU

Development Economics

Faculty: ShumonikaGungoly (S.G) &Sayan Kumar Gupta(S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Meaning of Economic Development	S.K.G	10	Jan –Feb
2	Poverty and Inequality	S.G	15	Jan-Feb
3	Dual Economy Models	S.K.G	20	Mar-Apr
4	Population Growth and Economic Development	S.K.G	10	May-June
5	Development Strategies	S.G	10	Mar
6	Political Institutions and the State	S.G	10	Mar-Apr

Discipline Specific Elective –A(2):

ECO-A-DSE-6-A(2)-TH-TU

Money and Financial Markets [MFM]

Faculty: MadhurimaKoley (M.K) &DeeproMajumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Introduction to money and Money and Banking	M.K	5	Jan
2	Financial Institutions, Markets, Instruments and Financial Innovations	M.K	17	Jan- Feb
3	Financial Markets and Interest Rates Behaviour	M.K	18	Apr-May
4	Banking System	D.M	20	Apr-May
5	Central Banking and Monetary Policy	D.M	15	May-June

Discipline Specific Elective-A(2):

ECO-A-DSE-6-A(2)-TH-P

Issues in Indian Economy [IIE]

Faculty: DeeproMajumder (D.M) &Sayan Kumar Gupta (S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Growth and structural changes	S.K.G	4	Jan-Fab
2	Macroeconomic Policies and Their Impact	D.M	15	Jan-Feb
3	Policies and Performance in Agriculture	D.M	15	Feb-Mar
4	Policies and Performance in Industry	S.K.G	12	Apr
5	Trends and Performance in Services	S.K.G	14	May-June

Discipline Specific Elective- B(2) :

ECO-A-DSE-6-B(2)-TH-TU

Environmental Economics [EE]

Faculty: ShumonikaGungoly (S.G) &DeeproMajumder (D.M)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Introduction	D.M	7	Jan
2	Efficiency and Market Failure	D.M	18	Jan-Feb
3	The Design and Implementation of Environmental Policy	S.G	20	Mar-Apr
4	International Environmental Problems	S.G	13	Apr

5	Measuring the values of Environmental Costs and Benefits	D.M	17	Feb
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Discipline Specific Elective –B(2):

ECO-A-DSE-6-B(2)-TH-TU

Issues in Development Economics [IDE]

Faculty: MadhurimaKoley (M.K), ShumonikaGungoly (S.G) & sayan Kumar Gupta(S.K.G)

Srl No.	Topic	Faculty	No. of lecture	Month
1	Demography and Development	S.K.G	10	May-June
2	Land, Labor and Credit Markets	M.K	20	Apr-May
3	Individuals, Communities and Collective Outcomes	M.K	15	May-June
4	Environment and Sustainable Development	S.G	15	Mar-Apr
5	Globalization	S.G	15	Apr-May



Academic Plan

Sub - Education for the 2021-22

Name of the paper	Paper/Co urse	No of Topic/ Unit	Semester	Topic/Unit	Name of the Teacher	Month
Introduction To Education	CC-1/GE-1	Unit-1 (Concept of Education)	Semester-1	Narrow and broader concept of education.	MD	July
				Meaning, nature and scope of education.	MD	August
				Aims of education- individual, social, vocational, and democratic.	MD	August
				Aims of modern education with special reference to Delor's commission.	MD	August
		Unit-2 (Factors of Education)		Child/learner: influence of heredity and environment on the learner.	MD	September
				Teacher: qualities and duties of a good teacher.	MD	September
				Curriculum- concept and types	MD	November
				Co-curricular activities: meaning, values and significance.	MD	November

				Educational institutions: informal and non-formal, their interrelation.	MD	November
		Unit-3 (Agencies of Education)		Home	BKS	July
				School	BKS	August
				State	BKS	August
				Mass-media-television, radio, cinema, and newspaper.	BKS	August
		Unit-4 (Child Centricism and Play-way in Education)		Concept of child centricism in education.	BKS	September
				Characteristics and significance of child centricism in education.	BKS	September
				Concept of play and work.	BKS	November
				Characteristics of play way in education, Kindergarten, Montessori, Project method.	BKS	November
				Internal & Uni. Exam		December
Psychological Foundation of Education	CC-2/GE-2	Unit-1 (Relation between Psychology and Education)	Semester-2	Meaning and definition of psychology.	MD	January
				Meaning and definition of education.	MD	February
				Relation between psychology and education.	MD	February
				Nature, scope and significance of educational psychology.	MD	March

		Unit-2 (Stages and types of human development and their educational significance)		Piaget's cognitive development theory	MD	March
				Erikson's psycho-social development theory	MD	April
				Kohlberg's moral development theory	MD	April
				Vygotsky's social development theory and Bandura's social learning theory.	MD	May
		Unit-3 (Learning: concept and theories)		Concept and characteristics of learning.	BKS	January
				Theories: Connectionism (Trial and error, Classical, operant)	BKS	February
				Insightful learning	BKS	February
				Memorization and Forgetting: Process of memorization, causes of forgetting and economical ways of improving memorization.	BKS	March
		Unit-4 (Intelligence)		Concept of intelligence	BKS	March
				Theories of Spearman, Thorndike and Guilford.	BKS	April

				Types and uses of intelligence tests.	BKS	April
				Concept of Emotional intelligence and E.Q.	BKS	May
				Internal & Uni. Exam		June
Sociological Foundation of Education	CC-3/GE-3	Unit-1 (Introductory Concept of Sociology of Education)	Semester-3	Meaning and definition of sociology of education.	MD	July
				Relation between sociology and education.	MD	August
				Nature of sociology of education.	MD	August
				Scope of sociology of education.	MD	September
		Unit-2 (Social Groups)		Social groups: meaning and definition.	MD	September
				Types of social groups- primary, secondary and Tertiary.	MD	November
				Socialization process: concept.	MD	November
				Role of the family and school in socialization process.	MD	November
		Unit-3 (Social Change and Education)		Concept of social change.	BKS	July
				Interrelation between social change and education.	BKS	August

				Social stratification and social mobility.	BKS	August
				Social interaction process.	BKS	September
		Unit-4 (Social Communication in Education)		Social communication: concept.	BKS	September
				Informal agencies of social communication.	BKS	September
				Interrelation between culture, religion and education.	BKS	November
				Interrelation between technology, economy and education.	BKS	November
				Internal & Uni. Exam		December
Skill for Democratic Citizenship	SEC-A2	Unit- 1 (Rights and duties in Indian Constitution)		Democratic rights.	MD	July
				Fundamental Rights.	MD	August
				Duties of citizenship.	MD	August
		Unit - 2 (Protection of Children)		Child protection - concept and need.	MD	September
				Child Rights – concept, classification and need.	MD	November
				Legal actions –POCSO.	MD	November
		Unit - 3 (Domestic Harmony)		Domestic violence – definition and types.	BKS	July

				Protection of Women from Domestic Violence Act, 2005 – basic features.	BKS	August
				Protection of males in DVA 2005.	BKS	August
		Unit – 4 (Role of Education to Ensure)		Rights and duties in Indian constitutions.	BKS	September
				Protection of children.	BKS	September
				Democratic harmony.	BKS	November
				Internal & Uni. Exam		December
Inclusive Education	CC-4/GE-4	Unit-1 (Inclusion Overview)	Semester-4	Meaning of inclusion and inclusive society.	MD	January
				Exclusion and inclusion : conceptual overview	MD	February
				Obstacles/barrier in inclusion.	MD	February
				Elements necessary for creating an inclusive society.	MD	March
		Unit-2 (Differently abled)		Concept of impairment, disability and handicap	MD	March
				Types of disabilities- orthopaedic, visual, auditory, cerebral palsy, intellectual autism, learning disabilities(only definition and their specific problems).	MD	April

				General causes of disabilities	MD	April
				Role of school and society in creating a barrier free environment.	MD	May
		Unit-3 (Socially disabled)		Concept of SC,ST and OBC groups.	BKS	January
				Concept of gender and sexuality		February
				Causes of social exclusion	BKS	February
				Understanding social inclusion: role of education.	BKS	March
		Unit-4 (Educational reforms for inclusive society)		Building an inclusive school: desired changes in system, structure, practice and culture.	BKS	March
				Education for a multicultural society.	BKS	April
				Education for peaceful co-existence.	BKS	April
				Role of informal agencies (like mass media etc) in building an inclusive society.	BKS	May
				Internal & Uni. Exam		June
Teaching Skill	SEC-B1	Unit - 1 (Understanding Teaching)		Concept and definition of Teaching.	MD	January
				Nature of teaching and characteristic factors	MD	February

				affecting teaching.		
				Relation between teaching and training.	MD	February
		Unit - 2 (Types of Teaching: Concept and Characteristics)		Micro-teaching and Micro lesson.	MD	March
				Simulated teaching.	MD	April
				Integrated teaching.	MD	May
		Unit: 3 – (Skills of Teaching : Basic Concept)		Nature and definition of skills of teaching.	BKS	January
				Developing teaching skills: Introducing a lesson, Questioning, Use of teaching aids, Illustration and Reinforcement.	BKS	February
				Phases of teaching: Pre-active, Inter-active, Post-active.	BKS	February
		Unit: 4 (Learning Design)		Concept and importance of learning design in teaching.	BKS	March
				Steps of learning design.	BKS	April
				Qualities of good learning design.	BKS	May
				Internal & Uni. Exam		June

Educational Thought of Great Educators.	DSE-A2	Unit: 1 (Western Educators : Part 1)	Semester-5	Plato	MD	July
				Rousseau	MD	August
				Montessori	MD	August
		Unit - 2 (Western Educators : Part 2)		Pestalozzi	BKS	July
				Dewey	BKS	August
				Ivan Illich	BKS	September
		Unit - 3 (Indian Educators : Part 1)		Vivekananda	BKS	September
				Rabindranath	BKS	November
				Gandhiji	BKS	November
		Unit - 4 (Indian Educators : Part 2)		Radhakrisnan	MD	September
				Begum Rokeya	MD	September
				Sister Nivedita	MD	November
				Internal & Uni. Exam		December
Women Education	DSE-B2	Unit - 1 (Historical Perspectives of Women Education)	Semester-6	Synoptic view of women education through the ages: Vedic, Brahmanic, Medieval Period.	MD	January
				Contribution of Missionaries.	MD	February
				Role of British Govt.	MD	February
		Unit - 2 (Policy Perspective, Committee and Commission on Women Education)		Constitutional provision, NPE -1968, 1986, 1992, POA-1992.	MD	March

				Radhakrisnan, Mudaliar and Kothari Commission.	MD	April
				Durgabai Deshmukh Committee, Hansraj Mehta Committee and Bhaktabatsalam Committee.	MD	May
		Unit - 3 (Role of Indian Thinkers in promoting Women Education)		Rammohan Roy	BKS	January
				Vidyasagar	BKS	February
		Unit – 4 (Major Constraints of Women Education and Women Empowerment)		Social – Psychological	BKS	March
				Political – Economical	BKS	April
				Role of women empowerment in modern society in brief.	BKS	May
				Internal & Uni. Exam		June
Teaching Skill	SEC-B1	Unit - 1 (Understandin g Teaching)		Concept and definition of Teaching.	MD	January
				Nature of teaching and characteristic factors affecting teaching.	MD	February
				Relation between	MD	March

				teaching and training.		
		Unit - 2 (Types of Teaching: Concept and Characteristics)		Micro-teaching and Micro lesson.	MD	March
				Simulated teaching.	MD	April
				Integrated teaching.	MD	May
		Unit: 3 – (Skills of Teaching : Basic Concept)		Nature and definition of skills of teaching.	BKS	January
				Developing teaching skills: Introducing a lesson, Questioning, Use of teaching aids, Illustration and Reinforcement.	BKS	February
				Phases of teaching: Pre-active, Inter-active, Post-active.	BKS	March
		Unit: 4 (Learning Design)		Concept and importance of learning design in teaching.	BKS	March
				Steps of learning design.	BKS	April
				Qualities of good learning design.	BKS	May
				Internal & Uni. Exam		June



K. K. Das College
Department of English
Academic Plan
2021-2022

BA (H) English						
Part/Sem	Name of the paper	Section	No. of Units	Topic/Unit	Name of the teacher	Month
Semester 1	CC1 History of English Literature (Group A)	1	A	Old English Heroic Poetry, Old English Prose and Chaucer	BB	September
1		1	B	Elizabethan Sonnets, University Wits and Ben Jonson	BB	September & October
1		1	C	Restoration Comedy of Manners and Eighteenth century Novels	BB	September & November
1		2	D	Pre-Romantic Poetry and Romantic Non-Fiction Prose	AB	September
1		2	E	Victorian Novel and the Pre-Raphaelites	AB	September
1		2	F	Modern Novel, Poetry and Drama	AB	September & November
1	Philology (Group B)	1	A	Latin, Scandinavian & French Influence, Americanism	GD	September
1		2	B	Short Notes	GD	September

1		2	C	Word-formation Processes and Consonant Shift	GD	September
				Term Paper Submission		November
				CLASS TEST		November
1	CC2 European Classical Literature (Group B)	1	A	Homer <i>The Iliad (Books I and II)</i>	GD	November
1		2	B	Sophocles <i>Oedipus the King</i>	AB	September
1	Group C	1	A	Ovid, Selections from <i>Metamorphoses, Bacchus (Book III)</i>	SB	November
1		2	B	Plautus <i>Pot of Gold</i>	SB	September & October
				Term Paper Submission		November
				CLASS TEST		November
	AECC1 (Communicative English)	1	1	Correction of Sentences	AB	September
		2	2	Transformation	AB	October, November
		3	3	Identifying True /False Statements from given passages	AB	November
				CLASS TEST		November
Semester 2	CC3 Indian Writing in English	1 (Poetry)	A	Henry Louis Vivian Derozio 'To India, My Native Land'	BB	January
2			B	Toru Dutt 'Our Casuarina Tree'	BB	January
2			C	Kamala Das 'An Introduction'	BB	February
2			D	A.K. Ramanujan 'River'	BB	February
2			E	Nissim Ezekiel 'Enterprise'	BB	March
2			F	Jayanta Mahapatra 'Dawn at Puri'	BB	March-April
						March
2		2 (Novel)	A	Bankim Chattopadhyay <i>Rajmohan's Wife</i>	AB	January-March

2		3 (Drama)	A	Mahesh Dattani 'Bravely Fought the Queen'	GD	February-March
				Term Paper Submission		April
				CLASS TEST		May
2	CC4 British Poetry & Drama (14 th -17 th century)	1 (Poetry)	A	Chaucer 'Wife of Bath's Prologue'	GD	January
2			B	Donne 'The Good Morrow'	GD	January
2			C	Marvell 'To his Coy Mistress'	GD	March
2			D	Shakespeare Sonnet 18 and 130	GD	March
			E	Spenser 'One Day I wrote her Name'	GD	April
2		2 (Drama)	A	Shakespeare <i>Macbeth</i>	AB	March-April
2			B	Shakespeare <i>As You Like It</i>	AB	February-April
				Term Paper Submission		April
				CLASS TEST		May
Semester 3	CC5 American Literature	1 (Poetry)	A	Robert Frost 'After Apple Picking'	GD	August
			B	Walt Whitman 'O Captain, My Captain'	GD	August
			C	Sylvia Plath 'Daddy'	GD	September
			D	Langston Hughes 'Harlem'	GD	September
			E	Edgar Allan Poe 'To Helen'	GD	November
		2 (Novel)	A	Ernest Hemmingway <i>The Old Man and the Sea</i>	AB	July-September
		3 (Stories)	A	Edgar Allan Poe 'The Purloined Letter'	GD	September, October
			B	F Scott Fitzgerald 'The Crack-Up'	GD	November
			C	William Faulkner 'Dry September'	GD	September
		4 (Drama)	A	Arthur Miller <i>Death of a Salesman</i>	SB	September, November
				CLASS TEST		November
				Term Paper Submission		November
3	CC6 (Popular Literature)	1	A	Lewis Carroll <i>Through the Looking Glass</i>	SB	October, November
3			B	Agatha Christie <i>The Murder of Roger Ackroyd</i>	GD	November

3		2	A	Sukumar Roy <i>AbolTabol</i>	AB	August-September
		3	A	Herge <i>Tintin in Tibet</i>	GD	September
				CLASS TEST		November
				Term Paper Submission		November
3	CC7 (British Poetry and Drama 17 th -18 th century)	1 (Poetry)	A	John Milton <i>Paradise Lost</i>	GD	July-September
3			B	Alexander Pope <i>The Rape of the Lock Cantos I-III</i>	BB	July-September
3		2 (Drama)	A	John Webster <i>The Duchess of Malfi</i>	AB	November
3			B	Aphra Behn <i>The Rover</i>	SB	July-September
				Class Test		November
				Term Paper Submission		November
	SEC A2 (Business Communication)	1	A	Business Letters	SB	September
		2	A	CV Writing	SB	September
		3	A	Email Writing	SB	October
		4	A	Report Writing	SB	November
		5	A	Writing Meeting Minutes	SB	November
				CLASS TEST		November
Sem 4	CC8 (18 th Century British Literature)	1 (Poetry)	A	Samuel Johnson 'London'	GD	January
			B	Thomas Gray 'Elegy Written in a Country Churchyard'	GD	January
		2 (Drama)	A	William Congreve <i>The Way of the World</i>	GD	February-March
		3 (Fiction and Non-Fiction)	A	Daniel Defoe <i>Robinson Crusoe</i>	AB	February-March
			A	Joseph Addison 'Sir Roger at Home' and 'Sir Roger at Church'	AB	April
				Term Paper Submission		April
				Class Test		May

	CC9 (British Romantic Literature)	1 (Poetry)	A	William Blake 'The Lamb and The Tyger'	GD	April
			B	William Wordsworth 'Tintern Abbey'	GD	January
			C	Samuel Taylor Coleridge 'Kubla Khan'	GD	March
			D	P.B. Shelley 'Ode to the West Wind' and 'To a Skylark'	GD	February
			E	John Keats 'Ode to a Nightingale' and 'Ode to Autumn'	GD	March
		2 (Prose)	A	Mary Shelley <i>Frankenstein</i>	AB	January-February
			B	Charles Lamb 'Dream Children' & 'The Superannuated Man'	BB	March-April
				Term Paper Submission		April
				Class Test		May
	CC10 (19 th Century British Literature)	1 (Poetry)	A	Lord Tennyson 'Ulysses'	AB	January
			B	Robert Browning 'My Last Duchess'	AB	January
			C	Christina Rossetti 'The Goblin Market'	AB	February
			D	Matthew Arnold 'Dover Beach'	AB	April
		2 (Novel)	A	Jane Austen <i>Pride and Prejudice</i>	BB	January-March
			B	Thomas Hardy <i>The Mayor of Casterbridge</i>	BB	March-April
				Term Paper Submission		April
				Class Test		May
	SEC B2 (Academic Writing and Composition)	1	A	Citing Sources	BB	March
		2	A	Writing Critical Appreciation	BB	March
		3	A	Substance Writing with critical note	BB	April
		4	A	Essay Writing	BB	April
				CLASS TEST		May

Sem 5	CC11 (Women's Writing)	1(Poetry)	A	Emily Dickinson "I cannot live with you"	BB	August
			B	Elizabeth Barrett Browning "How do I love thee"	BB	August
			C	Eunice De Souza "Advice to Women"	BB	September
		2(Fiction)	A	Emily Bronte "Wuthering Heights"	GD	September
			B	Mahasweta Devi "Draupadi"	AB	August
		3(Non-Fiction)	A	Mary Wollstonecraft "A Vindication of the Rights of Woman"	SB	August
				Term Paper Submission		November
				Class Test		November
	CC12 (Early 20th Century British Literature)	1(Poetry)	A	T.S. Eliot "The Love Song of J. Alfred Prufrock" and "Preludes"	GD	September
			B	W.B. Yeats "The Second Coming" and "No Second Troy"	GD	September
			C	Wifred Owen "Spring Offensive"	GD	August
		2(Fiction)	A	Joseph Conrad "Heart of Darkness"	AB	August
			B	D.H. Lawrence "Sons and Lovers"	AB	September
		3(Drama)	A	G.B. Shaw "Pygmalion"	GD	November
				Term Paper Submission		November
				Class Test		November
	DSE-A1 (Modern Indian Writing in English Translation)	1 (Stories)	A	Munshi Premchand "The Shroud"	SB	September
			B	Ismat Chughtai "The Quilt"	SB	September
			C	Fakir Mohan Senapati "Rebati"	SB	September
		2 (Poetry)	A	Rabindranath Tagore "Gitanjali XXVII" and "Gitanjali XCVII"	BB	August
			B	G.M. Muktibodh "The Void"	BB	August

			C	Amrita Pritam "I say unto Waris Shah"	BB	August
		3 (Novel)	A	Rabindranath Tagore "The Home and the World"	BB	November
		4 (Drama)	A	Vijay Tendulkar "Silence! The Court is in Session"	GD	September
				Term Paper Submission		November
				Class Test		November
	DSE-B1 (Literary types, Rhetoric and Prosody)	1	A	Tragedy, Comedy, Short Story	SB	August, October, November
			B	Rhetoric	GD	November
			C	Prosody	GD	November
				Term Paper Submission		November
				Class Test		November
Sem 6	CC13 (Modern European Drama)	1	A	Henrik Ibsen "A Doll's House"	AB	January
			B	Bertolt Brecht "The Good Woman of Szechuan"	GD	February
			C	Samuel Beckett "Waiting for Godot"	AB	March
				Term Paper Submission		April
				Class Test		May
	CC14 (Postcolonial Literatures)	1 (Poetry)	A	Pablo Neruda "Tonight I can Write"	AB	February
			B	Derek Walcott "A Far Cry from Africa"	AB	February
			C	David Malouf "Revolving Days"	AB	February
			D	Mamang Dai "The Voice of the Mountain"	AB	February
		2 (Novel)	A	Chinua Achebe "Things Fall Apart"	AB	April
			B	Gabriel Garcia Marquez "Chronicle of a Death Foretold"	GD	March
				Term Paper Submission		April
				Class Test		May
	DSE-A3 (Partition Literature)	1 (Novel)	A	Amitav Ghosh "The Shadow Lines"	AB	February
		2 (Short Stories)	A	Protiva Basu "The Marooned"	BB	February

			B	Manik Bandyopadhyay "The Final solution"	BB	February
			C	Sadat Hasan Manto "Toba Tek Singh"	BB	March
		3 (Poetry)	A	SahirLudhianvi "Twenty sixth January"	BB	March
			B	Birendra Chattopadhyay "After Death: Twenty Years"	BB	March
			C	Sankha Ghosh "Rehabilitation"	BB	March
				Term Paper Submission		April
				Class Test		May
	DSE-B3 (Autobiography)	1	A	Rabindranath Tagore "My Reminiscences"	GD	March
			B	Mahatma Gandhi "Autobiography or the story of my Experiments with Truth"	BB	April
			C	BinodiniDasi "My Story and Life as an Actress"	BB	March
			D	Nirad C. Chaudhuri "Autobiography of an Unknown Indian"	AB	April
				Term Paper Submission		April
				Class Test		May

BA (G) English						
Year/Sem	Topics	Paper/Course	No.of Module	Topic/Unit	Name of the teacher	Month
Sem1	Poetry	CC1/GE1	1	Sonnet no. 18 by William Shakespeare	SB	August
1			2	Strange Fits of Passion by William Wordsworth	SB	September
1			3	To A Skylark by P B Shelley	BB	August
1			4	Ode To Autumn by John Keats	BB	September
1	Short Stories		5	Araby by James Joyce	AB	August-Sep tember
1			6	The Fly by Katherine Mansfield	BB	August-Nov ember

1			7	Lagoon by Joseph Conrad	AB	November
				Class Test		November
				Project Submission		November
	Communicative English	AECC1	1	Correction of Sentences	GD	September
			2	Transformation	GD	October, November
			3	Identifying True /False Statements from given passages	GD	November
				CLASS TEST		November
Sem 2	Novel	CC2/GE2	1	The Mayor Of Casterbridge by Thomas Hardy	BB	September-November
	Drama		1	Arms and the Man by G. B. Shaw	AB	August-November
			2	As You Like It by William Shakespeare	AB	August-September
	Essays		1	Shooting an Elephant by George Orwell	BB	August
			2	Dream Children: A Reverie by Charles Lamb	BB	September
				Class Test		November
				Project Submission		November
Sem 3	Poetry	CC3/GE3	1	Elizabeth Barret Browning 'How Do I Love Thee'	BB	July-August
			2	Christina Rossetti 'Uphill'	BB	August
			3	Emily Dickinson 'I cannot Live With you'	BB	November
			4	Sarojini Naidu 'Palanquin Bearers'	BB	September
	Prose		1	Rassundari Devi <i>Amar Jiban</i>	SB	November
			2	RokeyaSakhawat Hussain <i>Sultana's Dream</i>	SB	August-September
				Class Test		November
				Project Submission		November
	Language, Variety and Stylistics	LCC (L1)-1	A	Personal Letters	SB	August
			B	Business Letters	SB	August

			C	Report Writing	AB	August
			D	Email Writing	SB	September
			E	Correction	AB	September
			F	British English to American English and vice versa	SB, AB	October, November
				Class Test		November
				Project Submission		November
Sem 3/5	Business Communication	SEC A2	A	Business Letters	SB	August
			B	Email Writing	SB	September
			C	Report Writing	SB	September
			D	CV Writing	SB	October
			E	Writing Meeting Minutes	SB	November
				Class Test		November
Sem 4	Academic Writing	CC4/GE4	A	Citing Sources	GD	January
			B	Writing critical appreciation	BB	January-February
			C	Writing Summary/Substance with Critical Note	GD	February-April
			D	Writing Essay	BB	March-April
				Class Test		November
				Project Submission		November
	Language, Society and Personality	LCC (L2)-1 Alternative English	A1	Shashi Tharoor: 'The Idea of India: India's Mosaic of Multiplicities'	AB	February
			A2	Ismat Chughtai 'Roots'	AB	March
			A3	Ramachandra Guha: 'A Gandhian in Garhwal'	AB	April
			B1	Louis Fischer: 'Gandhi and the Western World'	AB	February
			B2	Sisir Kumar Ghosh: 'Makers of Indian Literature: Rabindranath Tagore'	AB	March
			B3	Subal Chandra Mitra 'Isvar Chandra Vidyasagar: A Story of his Life and Work'	AB	April
				Class Test		May
				Project Submission		May

Sem 4/6	Spoken English	SEC B1	A	Features of Oral Communication	GD	February
			B	Essentials of Good Communication	GD	February
			C	Greeting, Leave Taking, Making Requests, Queries	GD	February
			D	Narrating Events	GD	March
			E	Complaints and Apologies, Alerting, Warning	GD	March
			F	Interview	GD	April
			G	Debate	GD	April
			H	Anchoring	GD	April
			I	Public Address	GD	May
				CLASS TEST		May
Sem 5	Modern Indian Writing in English Translation	DSE A2	A	Rabindranath Tagore The Home and the World	BB	September, October
	Poetry		B1	Tagore 'Light, O where is the light?'	BB	October
			B2	Tagore 'When my play was with thee'	BB	October
			B3	Muktibodh 'The Void'	BB	November
			B4	Amrita Pritam 'I say unto Waris Shah'	BB	November
	Drama		C1	Vijay Tendulkar 'The Court is in Session'	GD	September
			C2	Habib Tanveer 'Charandas Chor'	GD	October, November
				Class Test		November
				Project Submission		November
	Language, Imagination and Creativity	LCC (L1)-2	A	Figures of Speech	GD	September
			B1	Wordsworth 'Three Years She Grew'	BB	September
			B2	Tennyson 'Break Break Break'	BB	September
			B3	Derozio 'To India My Native Land'	BB	October
			B4	Tagore 'Gitanjali 50'	BB	November
			C	Story writing	GD	September
			D	Travelogue Writing	GD	October

			E	Writing Advertisement Matter	GD	November
				CLASS TEST		November
				Project Submission		November
Sem 6	Partition Literature	DSE B1	A	Amitav Ghosh The Shadow Lines	AB	February, March
			B1	Protiva Basu 'The Marooned'	BB	February
			B2	Manik Bandopadhyay 'The Final Solution'	BB	March
			B3	Manto 'Toba Tek Singh'	BB	April
			C1	Sudhir Ludhianvi 'Twentysixth January'	BB	February
			C2	Birendra Chattopadhyay 'After Death:Twenty Years'	BB	March
			C3	Sankha Ghosh 'Rehabilitaion'	BB	April
				CLASS TEST		May
				Project Submission		May
	Language, Creativity and Analysis	LCC (L2)-2 Alternative English	A1	R. K. Narayan 'Out of Business'	AB	February
			A2	Bhisham Sahni 'The Boss Came to Dinner'	AB	March
			A3	Ruskin Bond 'The Thief's Story'	AB	March
			A4	Prem Chand 'The Child'	AB	April
			B1	Tagore 'Gitanjali XVIII'	AB	March
			B2	Purushottam Lal 'Life'	AB	March
			B3	Nissim Ezekiel 'In a Country Cottage'	AB	April
			B4	Gauri Deshpande 'The Female of the Species'	AB	April
				CLASS TEST		May
				Project Submission		May