



**DREAMLAND SCHOOL**  
**ACADEMIC YEAR 2017-18**  
**SYLLABUS OF CLASS -XII (12) SCIENCE**

**SUBJECT: ENGLISH**

ENGLISH LANGUAGE(FIRST AND FINAL SELECTION)			
TOPICS TO BE COVERED:	CW	HW	REF NO
COMPOSITION,REPORT WRITING (MODEL TEST PAPERS)	10	4	EL1
TRANSFORMATION OF SENTENCES AND PREPOSITIONS			EL2
TENSES AND PHRASAL VERBS			EL3
COMPREHENSION AND PRECI- WRITING			EL4

**SUBJECT:ENGLISH LITERATURE**

**Book: ISC Collection of Short Stories**

**FIRST SELECTION**

Month	Topic	Chapter	Pages	Period	REF NO	CW	HW
APR	Old Love	5	52-67	6	ELITSS1		
MAY	Old Love	5	68-82	7	ELITS1	2	2
JUN	The Lumber Room	8	107-114	5	ELITS2	1	1
JUL	The Stolen Bacillus	4	43-46	6	ELITS3		
AUG	The Stolen Bacillus	4	47-51	3	ELITS3	1	1
AUG	The Legend of the Sleepy Hollow	9	115-128	4	ELITS4		

ARMS AND THE MAN-Act 2 (last portion)Act 3 [ till it will be completed							
Month	Topic	Chapter	Pages	Period	REF NO	CW	HW
SEP	The Legend of the Sleepy Hollow	9	129-148	5	ELITS4	4	0
Oct	The Legend of the Sleepy Hollow	9	149-153	5	ELITS4	2	1
Nov	REVISION				REV		
Dec	Revision				REV		

**Book: ISC Collection Of Poems**

**FIRST SELECTION**

Month	Topic	Chapter	Pages	Period	REF NO	CW	HW
APR	Enterprise	6	17to18	5	ELITP5	1	1
MAY	Dulce et Decorum Est	4	13to14	5	ELITP6	1	1
JUN	Breaking Out	9	24to26	4	ELITP7	1	1
JUL	Mending Wall	3	11	4	ELITP8		
Aug	Mending Wall	3	12	4	ELITP8	1	1

**Final Selection**

Month	Topic	Chapter	Pages	Period	REF NO	CW	HW
SEP	Phenomenal Woman	8	21 to 23	3	ELITP9		
Oct	Phenomenal Woman	8	21 to 23	3	ELITP9	1	1
Nov	Revision				REV		
Dec	Revision				REV		

**ARMS AND THE MAN : Act 3 [Second term: Full]**

**FIRST U.T : OLD LOVE,ENTERPRISE, ARMS AND THE MAN-ACT 2 (till done),ACT 3 (51 TO 55)**

**ANUSUA SABUI,SUSHMITA SHARMA,AGNIJITA BANDYOPADHYAY**

**SUBJECT - BENGALI**

**BOOK NAME - KOBITA SONKOLON**

**FIRST SELECTION**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
APR	RASTA KAROR EKAR NOY	8	15	1	BK1	1	1
MAY	SANDHINOTA TUMI	9	17	1	BK2	1	1
JUN	NOON	10	19	1	BK3	1	1
JUL	REVISION FULL BOOK + BAKYARAN				REV		
AUG	REVISION FULL BOOK + BAKYARAN				REV		
SEP	REVISION FULL BOOK + BAKYARAN				REV		
UNIT TEST	RASTA KAROR EKAR NOY				REV		
<b>AL SELECTION</b>							
OCT	REVISION FULL BOOK + BAKYARAN				REV		
NOV	REVISION FULL BOOK + BAKYARAN				REV		
DEC	REVISION FULL BOOK + BAKYARAN				REV		

T:Sadhinota Tumi

**BOOK NAME - PROBONDHO O GODDYO SONKOLON  
FIRST SELECTION**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
APR	LACHHMANER MA	8	68	2	BP1	1	1
MAY	EKTI TULSI GACHER KAHINI	9	83	1	BP2	1	1
JUN	EKTI TULSI GACHER KAHINI	9	83	1	BP2		
JUL	NA PAHARAR PORIKSHA	10	93	2	BP3	1	1
AUG	REVISION FULL BOOK				REV		
SEP	REVISION FULL BOOK				REV		
UNIT TEST	LACHHMANER MA						
	FINAL SELECTION						
OCT	REVISION FULL BOOK				REV		
NOV	REVISION FULL BOOK				REV		
DEC	REVISION FULL BOOK				REV		

ti Tulsi Gacher Kahini

: NAME - MUKUT

**FIRST SELECTION**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
APR			25 TO 29	2	BM1	1	1
MAY			31 TO 32	1	BM1	1	1
JUN			33 TO 36	1	BM1	1	1
JUL			37 TO 39	1		1	1
AUG	REVISION FULL BOOK				REV		
SEP	REVISION FULL BOOK				REV		
UNIT TEST	25 TO 29						
	FINAL SELECTION						
OCT	REVISION FULL BOOK				REV		
NOV	REVISION FULL BOOK				REV		
DEC	REVISION FULL BOOK				REV		

:U.T: 25 to 32

MEENA MITRA

BJECT:HINDI

GADHYA SANKLAN

MONTH	TOPIC	Chapter	Page	Period	REF NO	C.W.	H.W
Apr	Daasi		54-70	2	HG1	1	1
May	"		==	2	HG1	1	1
June	Bhaktin		79-90	2	HG2	1	1
July	Out Sider		--	2	HG3	2	2
Aug	Majburi		99-112	2	HG4	1	2
Sept	Putra Prem (Revision)	1	5-12	2	REV	1	1
Oct	Gouri, Sharnagat	2	13-23	1	HG5	1	1
Nov	Sanskriti Kya Hai	9	92-97	1	HG6	1	1
Dec	Revision				HG7		
Jan	Revision				HG8		

1st Unit Test - Daasi

1st Selection - Daasi, Bhaktin, Majburi

Final Selection - All as per syllabus

KAVYA MANJARI

MONTH	TOPIC	Chapter	Page	Period	REF NO	C.W.	H.W
Apr	Badal Ko Ghirtey Dekha	9	27-29	2	HK1	1	1
May	"	--	--	2	HK1	1	1
June	Tulsi Das Ke Pad	6	21	2	HK2	2	2
July	"	--	--	--	HK2	2	2
Aug	Andhere Ka Deepak	10	30-32	2	HK3	2	2
Sept	Sakhi	1	5-6	2	HK4	2	1
Oct	Aah Dharti Kitna Deti Hai	4	14-17	2	HK5	1	2
	Bal Leela	2	7-8	2	HK6	1	1
Nov	Nadi Ke Dweep	5	18-19	2	HK7	1	1
Dec	Revision				REV		
Jan	Revision				REV		

1st Unit Test - Badal Ko Ghirtey Dekha

1st Selection - Badal Ko Ghirtey Dekha

Tulsi Ke Pad

Andhere Ka Deepak

Final Selection - All Chapters as per  
Class XI and Class XII syllabus

**Aashadh Ka Ek Din**

MONTH	TOPIC	Chapter	Page	Period	REF NO	C.W.	H.W
Apr	Ank Tin		87-90	1	HA1	1	1
May	"		91-95	1	HA1	1	1
June	"		96-98	1	HA1	1	--
July	"		99-110	2	HA1	2	2
Aug	Revision		--	--	REV	--	--
Sept	Ank Ek (Revision)				HA1		
Oct	Ank "				HA1		
Nov	Ank Do (Revision)				HA2		
Dec	"				HA2		
Jan	Revision all				REV		

1st Selection - Ank Tin

Final Selection - All

**KALPANA SINHA**

**SUBJECT:GEOGRAPHY**

**ISC GEOGRAPHY CLASS XII : D.R.KHULLAR (KALYANI)**

**FIRST SELECTION**

MONTHS	TOPIC	CHAPTER	PAGES	PERIODS	REF NO	CW	HW
APRIL	Natural vegetation of india	6	98-111	2	G1	1	1
	Population	7	115-140	1	G2	1	1
	Migration trends	8	141-150	1	G3	1	1
	Demographic attributes	9	151-172	2	G4	1	1
	Rural settlements	10	173-185	2	G5	1	1
	Urban settlements	11	186-207	2	G6	1	1
MAY	Land use pattern	12	211-219	1	G7	1	1
	Water resources & types of irrigation	13	220-252	3	G8	2	1
	Agriculture	14	253-298	3	G9	2	2
JUNE	Fisheries	15	299-313	3	G10	2	1
	Minerals & power resources	16	314-343	4	G11	2	2
	Transport & communication	17	347-389	2	G12	1	1
	Tourism in India	19	448-463	1	G13	1	1
JULY	Industries	18	390-447	6	G14	2	2
	Regional economic development	20	467-480	3	G15	1	1
AUG	Map Pointing			2	G16	1	1

UT : 1 CH: 6,7,8,9,10,11,12

**PRACTICAL WORK:** INTRODUCTION & INTERPRETATION OF TOPOGRAPHICAL MAP, REPRESENTATION OF RELIEF

**MAP WORK :** As per ISC Syllabus

**FINAL SELECTION**

MONTHS	TOPIC	CHAPTER	PAGES	PERIODS	REF NO	CW	HW
SEP	REVISION				REV		
OCT	REVISION				REV		
NOV	REVISION				REV		

**PRACTICAL:** As per ISC Syllabus

**PROJECT:** Based on Field work

**FINAL SELECTION : AS PER ISC SYLLABUS**

**RIYA BAZAL, AMIT CHAUDHURY**

**SUBJECT:MATHEMATICS**

**MATHEMATICS SAHA AND SAHA**

**FIRST SELECTION**

MONTH	TOPIC	CHAPTERS	PAGES	PERIODS	REF NO	CW	HW
APR	INVERSE TRIGONOMETRIC FUNCTIONS	4	91-149	6	M1	3	2
	Determinants	5	212-322	8	M2	4	4
	Matrices	6	151-211	6	M3	3	3
MAY	Indefinite Integral-1	13	643-861	4	M4	2	2
	Indefinite Integral-2	14	64-861	4	M5	2	2
JUN	Continuity & differentiability of functions	7	323-448	6	M6	4	2
	Differentiation	8	323-448	6	M7	4	2
JUL	Indeterminate forms of limits	9	489-503	3	M8	2	1
	Mean value theorem	10	448-488	3	M9	2	1
	Indefinite Integral-3	15	644-847	5	M10	4	1

	Differential Equation	17	862-960	5	M11	4	1
	Probability	18	966-1100	5	M12	3	2
AUG	Vectors[sec-B]	21	1135-1236	5	M13	3	2
	Vectors[sec-B]	22	1135-1236	4	M14	2	2
	Application of Calculus in commerce & economics [sec-C]	26	1389-1411	9	M15	5	4
	Revsion				REV		

1st U.T. 4,5,6,8,13

**FINAL SELECTION**

MONTH	TOPIC	CHAPTERS	PAGES	PERIOD	REF NO	CW	HW
SEPT	Relations	1	1-88	2	M16	2	1
	Functions	2	1-88	2	M17	2	1
	Binary Operations	3	1-88	2	M18	2	1
	Application of dervatives	11	503-568	2	M19	2	1
OCT	Maxima & Minima	12	565-635	5	M20	5	3
	Definite Integrals	16	756-830	5	M21	5	4
NOV	Bay's Theorem	19	1100-1134	5	M22	5	3
	Thoretical probability distribution	20	1100-1134	5	M23	5	2
	Three Dimensional Geometry	23	1237-1345	2	M24	1	1
	Planes	24	1237-1345	5	M25	4	1
	Linear Regression	27	1412-1431	5	M26	4	1
DEC	Application of integrals	25	1389-1409	3	M27	2	1
	LPP	28	1434-1470	3	M28	2	1

SYLLABUS: ENTIRE CLASS XII BOOK AS PER I.S.C SYLLABUS

JHUMKI BHATTACHARYA

**CLASS XII : PHYSICS SYLLABUS**

BOOK NAME : NOOTAN ISC PHYSICS

**FIRST SELECTION**

MONTH	TOPIC	CHAPTE	PAGES	PERIOD	REF NO	CW	HW
APRIL	Electric charges and fields	1	1 to 44	4	P1	2	2
	Gauss' theorem	2	45 to	3	P2	1	2
	Electric potential and potential energy	3	79 to	3	P3	1	2
	Capacitors & Dielectrics	4	118 to	3	P4	1	2
MAY	Electric resistance & Ohm's law	5	172 to	4	P5	2	2
	DC circuits and measurements	6	226 to	3	P6	1	2
JUNE	Electromagnetic waves	13	529 to	2	P7	2	2
	Spherical mirrors	14	550 to	2	P8	2	2
	Refraction of light at a plane interface: Total internal	15	566 to	2	P9	2	2
JULY	Refraction of light at spherical surface: Lenses	16	597 to	3	P10	1	2
	Refraction and diffraction of light through prism	17	642 to	2	P11	1	1
	Optical instruments	18	666 to	2	P12	1	1
	Wave nature of light: Huygen's principle	19	697 to	2	P13	1	1
	Interference of light	20	711 to	2	P14	1	1
	Diffraction of light	21	740 to	2	P15	1	1
	Polarization of light	22	753 to	2	P16	1	1
AUG	Photoelectric effect	23	767 to	2	P17	1	1
	Matter waves	24	801 to	2	P18	1	1
	X-rays	25	818 to	2	P19	1	1
	Semiconductor electronics	31	952 to	2	P20	1	1
	Junction diodes	32	967 to	2	P21	1	1
	Junction transistors	33	988 to	2	P22	1	1

FIRST UNIT TEST- CHAPTER 1,2,3,4,4,5 AND 6

**FINAL SELECTION**

MONTH	TOPIC	CHAPTE	PAGES	PERIOD	REF NO
SEP	Moving charges & magnetism	7	276 to	3	P23
	Magnetic torque on a current loop: Moving coil	8	348 to	2	P24
	Magnetic field & Earth's magnetism	9	373 to	3	P25
	Magnetic classification of substances	10	399 to	3	P26

OCT	Electromagnetic induction	11	415 to	3	P27
	Alternating current circuits	12	462 to	4	P28
NOV	Atom, origin of spectra: Bohr's theory of Hydrogen atom	26	828 to	3	P29
	Nuclear structure	27	872 to	2	P30
	Radioactivity	28	885 to	3	P31
	Mass-energy equivalence: Nuclear binding energy	29	910 to	2	P32
	Nuclear fission and Nuclear fusion: Sources of energy	30	933 to	2	P33
	Communication system	35	1025 to	3	P34
DEC	Revision				REV
JAN	Revision				REV
FEB	Revision				REV

**FINAL SELECTION SYLLABUS:AS PER ISC SYLLABUS**

**PHYSICS PRACTICAL**

**FIRST SELECTION**

MONTH	TOPIC	REF NO
APRIL	To find the focal length of a convex lens by using U-V method	PP1
	To find the focal length of a convex lens by using Displacement method	PP2
MAY	Using a meter bridge, determine the resistance of about 100 cm of Constantan wire	PP3
JUNE	To determine the internal resistance of a cell using meter bridge	PP4
	To compare the e.m.f. of two dry cells using a potentiometer	PP5
JULY	To study the characteristics of p-n junction diode	PP6
	To study the characteristics of p-n-p/ n-p-n transistor in common emitter (CE)	PP7
AUGUST	To verify Ohm's law for the given unknown resistance	PP8

**FINAL TERM**

MONTH	TOPIC	REF NO
SEP	To determine the focal length of a given convex lens with the help of an auxiliary	PP9
	To determine the focal length of a given concave lens with the help of an auxiliary	PP10
OCT	Revision	REV
Nov	Revision	REV
DEC	Revision	REV
JAN	Revision	REV
FEB	Revision	REV

**TOPICS OF PROJECT:(ANY ONE)**

1>> WAVE OPTICS

2>> NUCLEAR PHYSICS

3>> SEMICONDUCTOR DEVICE

4>>MODERN COMMUNICATION SYSTEM

5>>RAY OPTICS

TANMOY RANA

**SUBJECT:CHEMISTRY**

**BOOK : NOOTAN ISC CHEMISTRY.**

**HALF YEARLY EXAMINATION**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
APR	COORDINATION COMPOUNDS	9	483-528	10	C1	5	5
MAY	HALOALKANES & HALOARENES	10	531-594	10	C2	4	4
JUN	ALCOHOLS, PHENOLS, ETHERS	11	595-681	6	C3	4	6
	CHEMICAL KINETICS	4	202-263	6	C4	2	4
	SOLUTIONS	2	51-122	4	C5	3	2
JUL	ALDEHYDES, KETONES & CARBOXYLIC ACIDS	12	682-807	5	C6	3	4
	ELECTROCHEMISTRY	3	123-201	5	C7	5	8
AUG	P-BLOCK ELEMENTS	7	339-436	5	C8	2	2

1ST UT - CHAP- 9, 10, 11

PROJECT- AS PER ISC SYLLABUS WHICH WILL BE TOLD IN THE CLASS

**FINAL TERM EXAMINATION**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
SEP	SOLID STATE	1	3 TO 50	5	C9	4	4
	D- & F- BLOCK ELEMENTS	8	437-482	4	C10	4	4

OCT	ORGANIC COMPOUNDS CONTAINING NITROGEN	13	808-888	5	C11	5	5
	SURFACE CHEMISTRY	5	264-304	5	C12	3	3
NOV	POLYMERS	15	945-980	4	C13	2	2
	GENERAL PRINCIPLES & PROCESSES OF ISOLATION OF ELEMENTS	6	307-338	2	C14	2	2
DEC	BIOMOLECULES	14	889-944	2	C15	2	2
	CHEMISTRY IN EVERYDAY LIFE	16	981-1003	2	C16	2	2
JAN	REVISION				REV		

**PRACTICAL SYLLABUS**

IT IN THE CLASS & DEMONSTRATED IN THE LABORATORY

**SOUMYAJIT SETT**

**SUBJECT: BIOLOGY**

**BOOK : SRIJAN BIOLOGY -V.B RASTOGI**

**FIRST SELECTION**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
APR	REPRODUCTION IN ORGANISMS	1	Jan-38	2	BIO1	1	1
	SEXUAL REPRODUCTION IN FLOWERING PLANTS	2	39-95	3	BIO2	2	1
	PRICIPLES OF INHERITANCE & VARIATION	5	181-260	3	BIO3	2	1
	HUMAN HEALTH & DISEASES	8	432-507	3	BIO4	2	1
MAY	MOLECULAR BASIS OF INHERITANCE	6	264-340	3	BIO5	2	1
	STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION	8	508-551	3	BIO6	2	1
JUNE	HUMAN REPRODUCTION	3	96-150	5	BIO7	4	1
	BIOTECHNOLOGY: PRINCIPLES& PROCESSES	11	578-611	3	BIO8	2	1
JULY	ORGANISM & POPULATION	13	647-713	2	BIO9	1	1
	ECOSYSTEM	14	714-763	3	BIO10	2	1
	BIODIVERSITY & ITS CONSERVATION	15	764-806	2	BIO11	1	1
	REPRODUCTIVE HEALTH	4	151-180	2	BIO12	1	1
	MICROBES & HUMAN WELFARE	10	552-577	2	BIO13	1	1
AUG	BIOTECHNOLOGY& ITS APPLICATION	12	612-646	3	BIO14	2	1
	REVISION			2	REV		

**SYLLABUS:**

**UNIT TEST- CH-- 2,5,6,3**

**FIRST SELECTION-CH-- 1,2,3,4,5,6,8,9,10,11,13,14,15**

**FINAL SELECTION**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
SEPT	EVOLUTION	7	341-431	2	BIO15	1	1
	ENVIRONMENTAL ISSUES	16	807-874	3	BIO16	2	1
OCT	REVISION				REV		
NOV	REVISION				REV		

**SYLLABUS: FINAL SELECTION- ENTIRE CLASS XII BOOK AS PER I.S.C SYLLABUS**

**FIRST SELECTION**

MONTH	TOPIC	
APRIL	FAMILY: SOLANACEAE , LILIACEAE, MALVACEAE, LEGUMINOCEAE	BIOP1
	STUDY OF SOILS OF TWO DIFFERENT SITES	BIOP2
MAY	TO ISOLATE DNA FROM AVAILABLE PLANT MATERIAL	BIOP3
	TO STUDY THE EFFECT OF ENZYME(AMYLASE) ACTION AT THREE DIFFERENT TEMPERATUERS & pH ON STARCH SOLUTION	BIOP4
JUNE	GERMINATION OF POLLEN GRAIN IN A NUTRIENT MEDIA	BIOP5
	T.S OF A XEROPHYTIC LEAF	BIOP6
	IDENTIFICATION	BIOP7
JULY	IDENTIFICATION	BIOP8
AUG	T.S OF HYDROPHYTE STEM	BIOP9
	STUDY OF ARRANGEMENT OF STOMATA IN DICOT& MONOCOT LEAVES	BIOP10
	T.S. OF OVARY OF ANY FLOWER	BIOP11

**As per done in class**

**project : Any 1 topic as per ISC syllabus**

**FINAL SELECTION**

MONTH	TOPIC	REF NO
SEPT	L.S. OF MONOCOT & DICOT LEAVES	BIO12
	IDENTIFICATION	BIO13

SEP	DEMONSTRATION OF ECOLOGICAL ADAPTATION OF PLANTS & ANIMALS	BIO14
OCT	FLOWERS ADAPTED TO POLLINATION BY DIFFERENT AGENCIES INSECTS & WIND	BIO15
NOV	REVISION	REV
DEC	REVISION	REV
JAN	REVISION	REV

syllabus: Entire ISC syllabus

project: Same as 1st selection to be completed & submitted

**MOUMITA GANGULY & SOUMI ROY**

**SUBJECT:COMPUTER SCIENCE**

**BOOK** UNDERSTANDING COMPUTER SCIENCE

**NAME:**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
APR	PROPOSITIONAL LOGIC	1	3	6	COMP1	2	2
	BOOLEAN ALGEBRA	2	17	6	COMP2	3	2
MAY	COMPUTER HARDWARE	3	52	3	COMP3	2	2
	DATASTRUCTURE	13	535	3	COMP4		
	COMPUTATIONAL COMPLEXITY	14	607	3	COMP5	2	2
JUN	INHERITANCE AND PLOYMORPHISM	12	487	3	COMP6	2	2
	Running Java Programs			6	COMP7		
	OBJECTS AND CLASSES	4	99	3	COMP8		
	PRIMITIVE VALUES , TYPE CASTING	5	115	2	COMP9	2	2
AUG	CONDITIONAL STATEMENT AND LOOPS	6	125	3	COMP10	2	2
	STRING MANIPULATION	7	188	1	COMP11	2	2
	ARRAY	9	227	2	COMP12	2	2
	CLASS AS USER DEFINED TYPE	10	354		COMP13		
	FILE OPERATION IN JAVA	11	433		COMP14		
	Revision of ISC Syllabus			6	REV		

**1ST UT CHAPTERS - WILL BE DISCUSSED IN CLASS**

**FIRST SELECTION: WILL BE DISCUSSED IN CLASS**

**PROJECT: 15 JAVA PROGRAMS**

MONTH	TOPIC	CHAPTER	PAGES	PERIOD	REF NO	CW	HW
SEP	Revision of ISC Syllabus			6	REV	2	2
OCT	Revision of ISC Syllabus			6	REV	3	2
NOV	Revision of ISC Syllabus			6	REV	2	2
DEC	Revision of ISC Syllabus			6	REV	2	2

**PROJECT : 10 JAVA PROGRAM**

**FINAL SELECTION: ENTIRE SYLLABUS ACCORDING TO ISC**

**SUDESHNA MUKHOPADHYAY**

**\*\*NO COPY CHECKING WILL BE DONE AFTER THE CUT-OFF DATE.**

**\*\*SYLLABUS IS SUBJECT TO CHANGE WITH PRIOR NOTICE.**









