



**DREAMLAND SCHOOL
ACADEMIC YEAR 2019-20
SYLLABUS OF CLASS -XII (12) SCIENCE**

SUBJECT: ENGLISH

ENGLISH LANGUAGE (FIRST AND FINAL SELECTION)	CW	HW	
TOPICS TO BE COVERED:	8		
COMPREHENSION AND PRECISE WRITING			1
THEATRE REVIEW AND PERSONAL PROFILE			1
TESTIMONIAL			1
TENSE AND PHRASAL VERBS, TRANSFORMATION OF SENTENCES			1

ENGLISH LITERATURE

Book: ISC Collection of Short Stories

FIRST SELECTION

Month	REF NO	Topic	Chapter	Pages	Period	C.W	H.W
April	SS1	THE SOUND MACHINE				2	1
May		THE SOUND MACHINE				2	1
June		THE SOUND MACHINE				2	1
July	SS2	TO BUILD A FIRE				2	1
Aug		TO BUILD A FIRE				2	1
Aug		REVISION					

BOOK: CANDIDA (GEORGE BERNARD SHAW)

Month	REF NO	Topic	Chapter	Pages	Period	C.W	H.W
APRIL		ACT 2: READING AND CRITICAL EVALUATION			8		
MAY		ACT 2: DISCUSSION OF QUESTIONS AND ANSWERS			4		
JUNE		ACT 3 : READING AND CRITICAL EVALUATION			9		
JULY		ACT 3 : DISCUSSION OF QUESTIONS AND ANSWERS			5		

Book: ISC Collection Of Poems

**FIRST
SELECTION**

Month	REF NO.	Topic	Chapter	Pages	Period	C.W	H.W
April		BIRCHES					
May		BIRCHES					
June		BIRCHES					
July		THE DARKLING THRUSH					
Aug		WE ARE THE MUSIC MAKERS					

**Final
Selection**

Month	REF NO.	Topic	Chapter	Pages	Period	C.W	H.W
SEP		REVISION					
Oct		REVISION					
Nov		REVISION					
Dec		REVISION					

1ST U.T - THE SOUND MACHINE, A GORILLA IN THE GUEST ROOM. CROSSING THE BAR, BIRCHES, CANDIDA

HALF YEARLY- ENTIRE SYLLABUS

FINAL ENTIRE

ANUSUA SABUI, SWAGATA NAG, SANTASNIL BHATTACHERYA

SUBJECT - BENGALI

BOOK NAME - KOBITA SANGRAH

FIRST SELECTION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
APR	bk1	rasta karor ekar noy	8	15	2	1	1
MAY	bk2	sandhinota tumi	9	17	2	1	1
JUN	bk3	noon	10	19	2	1	1
JUL	rev	REVISION +BAKYARAN					
AUG	rev	REVISION +BAKYARAN					
SEP	rev	REVISION +BAKYARAN					
UNIT TEST	1	RASTA KAROR EKAR NOY	1ST SELECTION FULL BOOK				

FINAL SELECTION							
OCT	REV	REVISION +BAKYARAN					
NOV	REV	REVISION +BAKYARAN					
DEC	REV	REVISION +BAKYARAN					

J.T:Sadhinota Tumi FINAL SELECTION -FULL BOOK

BOOK NAME - PROBONDHO O GODDYO SONKOLON

FIRST SELECTION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
APR	BG1	LACHHMANER MAA	8	68	2	1	1
MAY	BG2	EKTI TULSI GACHER KAHINA	9	83	1	1	1
JUN	BG2	EKTI TULSI GACHER KAHINA	9	83	1	1	1
JUL	BG3	NA PAHARAR PORIKSHA	10	93	2	1	1
AUG	REV	REVISION					
SEP	REV	REVISION					
UNIT TEST	1	LACHHMANER MAA 1ST SELECTION -FULL BOOK					

FINAL SELECTION

OCT	REV	REVISION					
NOV	REV	REVISION					
DEC	REV	REVISION					

FINAL SELECTION -FULL BOOK

BOOK NAME - MUKUT

FIRST SELECTION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
APR	DM			25-29			
MAY	DM			31-32			
JUN	DM			32-36			
JUL	DM			37-39			
AUG	REV	REVISION					
SEP	REV	REVISION					
UNIT TEST	1	PAGE-25-29					

FINAL SELECTION

OCT	REV	REVISION					
NOV	REV	REVISION					
DEC	REV	REVISION					

1st.U.T: 25 to 32

MEENA MITRA

HINDI

BOOK NAME : GADHA SANKALAN

MONTH	REF. NO	TOPIC	CHAP.	PERIOD	PAGE	C.W	H.W
April	HG - 3	Sharnagat	3	2	25 -32	2	1
May	HG - 4	Sati	4	2	34 - 42	2	1
June	HG- 7	Kya Nirash Hua Jai	7	2	72 - 78	2	1
July	HG - 6	Dasi	6	2	54 - 70	2	1
Sept	HG - 2	Gauri	2	2	13 - 23	2	1
Oct	HG - 9	Sankriti Kya hai	9	2	92 - 97	2	1

1st UT - Sharnagat

1st Selection - 1) Sati

2) Kya Nirash Hua Jai

3) Sharnagat , Dasi

BOOK NAME : KAVYA MANJIRI

MONTH	REF. NO	TOPIC	CHAP.	PERIOD	PAGE	C.W	H.W
April	HK - 10	Andhere Ka Deepak	10	2	30 - 32	2	1
May	HK - 3	Ek Phool Ki Chah	3	2	13-Sep	2	1
June	HK - 6	Tulsi Das Ke Pad	6	2	20 - 21	1	1

July	HK - 1	Sakhi	1	1	5 - 6	1	1
Aug	HK - 4	Aah Dharti Kitna Deti Hai	4	2	14 - 17	1	1
Sept	HK - 2	Bal Leela	2	1	7 - 8	1	1
Oct	HK - 8	Uddyami Nar	8	1	24 - 26	1	1
Nov		Revision					

1st UT - Andheri Ka Deepak

1st Selection - 1) Ek Phool Ki Chah

2) Tulshi Ke Pad

3) Sakhi

FINAL SELECTION - All Chapter as per Syllabus

BOOK NAME : ASHADH DE EK DIN

MONTH	REF. NO	TOPIC	CHAP.	PERIOD	PAGE	C.W	H.W
April	AK - 3	ANK - 3					
May		"					
June		"					
July		"					
Aug	AK - 2	ANK - 2					
		Revision					
Sept	AK - 1						
		Revision					

1st Selection - Ank - 3

Final Selection - All as per syllabus

KALPANA SINHA

SUBJECT:GEOGRAPHY

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

FIRST SELECTION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
APRIL							
	G1	Demographic Attributes	9	157-178	4		1
	G2	Rural Settlement	10	179-191	4		1
MAY	G3	Urban Settlement	11	192-221	3		1
	G4	Environmental Management & Land use pattern	12	225-234	2		1
JUNE	G5	Water Resources & Type of Irrigation	13	235-267	3		1
	G6	Agriculture	14	268-318	4		2
JULY	G7	Fiiseries	15	319-333	3		1
	G8	Mineral & Power Resoures	16	334-364	4		1
AUG	G9	Transpore & Communication	17	367-408	4		2

Practical Scales,Representation of relief, Topographical Map

Chapter - 09,10,11,12

FINAL SELECTION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
SEP	G10	INDUSTRIES	18	409-471	3	1	1
OCT	G11	M, INDUSTRY AND REGIONAL ECONOMIC DEVELOPMENT	19&20	472-503	4	2	2
NOV		REVISION					

PRACTICAL Topographical Map

Project: Household Survey/Industrial Survey

LECTION : As per Syllabus

PRANAMITA MAJUMDER, JAYEETA BOSE

SUBJECT:MATHEMATICS

BOOK NAME : ISC MATHEMATICS SAHA AND SAHA

FIRST SELECTION

MONTH	REF NO	TOPIC	CHAPTERS	PAGES	PERIOD	CW	HW
APR	M1	RELATION AND FUNCTION	1	1TO40	6	4	1
	M2	INVERSE TRIGONOMETRIC FUNCTION	2	41TO50	3	4	2

	M3	MATRICES	3	51TO211	3	3	1
MAY	M4	DETERMINANTS	Jan-00	212TO322	4	4	2
	M5	CONTINUITY	5	323TO488	3	3	1
JUN	M6	DIFFERENTIABILITY	5		7	4	2
	M7	INDETERMINATE FORMS	6	489TO504	5	5	1
JUL	M8	INTEGRALS	8	643	5	4	1
AUG	M8	INTEGRALS	8	643	5	3	2
		REVISION			2		
	M9	VECTORS	SEC-B1	1356	4	4	3
	M10	APPLICATION OF CALCULUS COMMERCE AND ECONOMICS	SEC-C1	1396	4	4	1

UNIT -2,3,4

FINAL SELECTION

MONTH	REF NO	TOPIC	CHAPTERS	PAGES	PERIOD	CW	HW
SEPT	M11	APPLICATION OF DERIVATIVES	7	505TO642	5	4	1
	M12	DIFFERENTIAL EQUATION	9		5	5	2
OCT	M13	PROBABILITY	10			6	2
	M14	SECB 2/SECC 2	SEC-B2	1412	5	3	1
	M15		SEC-C2	1349	5	4	1
	M16/17	SECB 3 /SEC-C 3	SEC-B3/C3	1434	5	4	1
DEC		REVISION					

JHUMKI BHATTACHARYA

SUBJECT- PHYSICS

: NOOTAN ISC PHYSICS (XII)

FIRST TERM

MONTH	REF NO.	TOPIC	CHAPTER	PAGE NO.	PERIOD	CW	HW
APRIL	P1	Electric charges and fields	1	03 to 46	2	1	1
	P2	Gauss's theorem	2	47-79	2	2	0
	P3	Moving charges and magnetism	7	284-358	3	2	1
	P4	Torque on a current loop	8	359-384	2	1	1
	P5	Magnetic field and earth's magnetism	9	385-409	2	1	1
MAY	P6	Magnetic classification of substances	10	410-426	1	1	0
	P7	Electric potential and Potential energy	3	80-118	2	1	1
JUNE	P8	Capacitor and dielectric	4	119-176	2	1	1
	P9	Electric resistances and ohm's law	5	177-230	1	1	0
	P10	D.C. Circuit and measurements	6	231-283	1	1	0
JULY	P11	Spherical Mirrors	14	570-587	3	2	1
	P12	Refraction of light at a plane interface	15	588-618	2	1	1
	P13	Refraction of light at spherical surface	16	613-665	3	2	1
	P14	Refraction and dispersion of light in prism	17	666-690	1	1	0
	P15	Semiconductor electronics	31	984-998	1	1	0
	P16	Junction diode	32	999-1019	2	1	0
AUGUST	P17	Junction transistor	33	1020-1037	2	1	0
	P18	Optical Instrument	18	691-721	2	1	1
	P19	Logic Gate	34	1038-1056	1	1	0
	P20	Communicaton system	35	1057-1087	2	1	0

1ST UT-Chapter-1,2,5,6,7,8

FINAL TERM

MONTH	REF NO.	TOPIC	CHAPTER	PAGE NO.	PERIOD	CW	HW
SEPTEMBER	P21	Electro-magnetic induction	11	427-477	3	2	1
	P22	Alternating Current	12	478-546	3	2	1
	P23	Wave Nature of light and Huygen's Principle	19	722-735	1	1	0
	P24	Interference of light	20	736-766	2	1	1
	P25	Diffraction of light	21	767-779	2	1	1
	P27	Electro-magnetic Waves	13	547-569	1	1	0
OCTOBER	P28	Photoelectric effect	23	795-829	1	1	1
	P29	Matter waves	24	830-847	1	1	0
	P30	X-Ray	25	848-857	1	1	0
	P31	Atom, Origin of Spectra	26	858-902	2	1	0
	P32	Nuclear Structure	27	903-915	1	1	1
NOVEMBER	P33	Radio-activity	28	916-941	2	1	1

	P34	Mass- energy equivalence	29	942-964	1	1	1
	P35	Nuclear fission and fusion	30	965-983	1	1	0

PHYSICS PRACTICAL

FIRST TERM

MONTH	REF NO.	TOPIC
APRIL	PP1	To determine focal length of a convex lens by u-v method
	PP2	To determine focal length of a convex lens by displacement method
	PP3	To Verify ohm's Law
MAY	PP4	To Verify ohm's Law using meter bridge
	PP5	To determine unknown resistance using meter-bridge
JUNE	PP6	To measure potential gradient using meter bridge
	PP7	To measure internal resistance of a cell using meter bridge
JULY	PP8	To compare the E.M.F of two dry cells using potentiometer
	PP9	To verify the law's of combination of resistances
	PP10	To determine focal length of a convex lens by using another convex lens
AUGUST		Practical practice

FINAL TERM

MONTH	REF NO.	TOPIC
SEPTEMBER	PP11	To determine focal length of a concave lens by using another convex lens
	PP12	To determine focal length of a concave mirror by two needle method
	PP13	To determine focal length of a concave mirror using convex lens
	PP14	To Draw I-V characteristics of a semi-conductor diode
OCTOBER	PP15	To draw I/O characteristics of npn Transistor
NOVEMBER	PP16	To verify the truth-tables of AND, OR, NOT Gates
DECEMBER		Practical practice
JANUARY		Practical practice

PROJECT (ANY ONE AS GIVEN BY SUBJECT TEACHER)

1	NUCLEAR PHYSICS
2	SEMICONDUCTORS AND ITS APPLICATIONS
3	COMMUNICATION SYSTEM AND ITS MODERN APPROACH
4	OPTICAL INSTRUMENTS
5	CAPACITOR AND ITS APPLICATION ON CIRCUITS
6	CLASSIFICATION OF MAGNETIC SUBSTANCES AND ITS APPLICATIONS

TANMOY RANA
SUDEB CHATTERJEE

SUBJECT: BIOLOGY

BOOK : TRUEMAN'S ELEMENTARY BIOLOGY

FIRST SELECTION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
APR	BI1	EVOLUTION-ORIGIN OF LIFE			3	2	1
	BI2	PRINCIPLES OF INHERITANCE & VARIATION	5		3	2	1
	BI3	MOLECULAR BASIS OF INHERITANCE	6		6	2	1
MAY	BI4	BIOTECHNOLOGY: PRINCIPLE & PROCESSES	11		5	2	1
JUNE	BI5	BIOTECHNOLOGY & IT'S APPLICATION	12		4	2	1
	BI6	REPRODUCTION IN ORGANISM	1		2	1	1
JULY	BI7	SEXUAL REPRODUCTION IN FLOWERING PLANTS	2		3	2	1
	BI8	HUMAN REPRODUCTION	3		3	2	1
	BI9	REPRODUCTIVE HEALTH	4		2	1	1
AUG	BI10	MICROBES IN HUMAN WELFARE	10		2	1	1
	BI11	HUMAN HEALTH & DISEASES	8		3	1	1
	BI12	ENVIRONMENTAL ISSUES	16		4	1	1
	REV	REVISION					

1ST U.T - 5,6,7,11

· ALL CHAPTERS DONE IN CLASS

FINAL SELECTION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
SEPT	BI13	ECOSYSTEM	14		3	1	1

	BI14	STRATEGIES FOR ENHANCEMENT IN FOOD PRODUCTION	9		3	1	1
	BI15	ORGANISM & POPULATION	13		3	2	1
OCT	BI16	BIODIVERSITY & ITS CONSERVATION	12		3	2	1
NOV	REV	REVISION					

FINAL SELECTION - FULL BOOK AS PER ISC REGULATION

PRACTICAL(D.N PUBLICATION)

FIRST SELECTION

MONTH	REF NO	TOPIC
APRIL	BIP1	ISOLATION OF DNA FROM AVAILABLE PLANT MATERIAL
MAY		TO STUDY THE EFFECT OF ENZYME (AMYLASE) ACTION AT THREE DIFFERENT TEMPERATURES & PH ON STARCH SOLUTION
	BIP2	
	BIP3	STUDY OF SOLANACEAE FAMILY
	BIP4	IDENTIFICATION
JUNE	BIP5	STUDY OF SOILS OF TWO DIFFERENT SITES
	BIP6	IDENTIFICATION
	BIP7	GERMINATION OF POLLEN GRAIN IN A NUTRIENT MEDIA
JULY	BIP8	T.S OF A XEROPHYTIC LEAF
	BIP9	T.S OF HYDROPHYTE STEM
AUG	BIP10	STUDY OF ARRANGEMNT OF STOMATA IN DICOT & MONOCOT LEAVES
	BIP11	T.S OF OVARY OF ANY FLOWER

INAL SELECTION

MONTH	REF NO	TOPIC
SEPT	BIP12	IDENTIFICATION
	BIP13	L.S OF MONOCOT AND DICOT SEEDS
	BIP14	DEMONSTRATION OF ECOLOGICAL ADAPTATIONS OF PLANTS AND ANIMALS
OCT	BIP15	FLOWERS ADAPTED TO POLLINATION BY DIFFERENT AGENCIES
NOV	BIP16	REVISION OF FLOWER FAMILIES

MADHUBANTI BANERJEE, MOUMITA GANGULY

SUBJECT:COMPUTER SCIENCE

BOOK NAME: UNDERSTANDING COMPUTER SCIENCE

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

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
SEP	Revision of ISC Syllabus			6	REV	2
OCT	Revision of ISC Syllabus			6	REV	3
NOV	Revision of ISC Syllabus			6	REV	2
DEC	Revision of ISC Syllabus			6	REV	2
	PROJECT : 10 JAVA PROGRAM					

FINAL SELECTION: ENTIRE SYLLABUS ACCORDING TO ISC

SUDESHNA MUKHOPADHYAY

SUBJECT:CHEMISTRY

BOOK : NOOTAN ISC CHEMISTRY.

HALF YEARLY EXAMINATION

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

1ST UT - CHAP- 9, 10, 11,4

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

FINAL TERM EXAMINATION

MONTH	REF NO	TOPIC	CHAPTER	PAGES	PERIOD	CW	HW
SEP	C9	SOLID STATE	1	3 TO 50	5	4	4
	C10	D- & F- BLOCK ELEMENTS	8	437-482	4	4	4
OCT	C11	ORGANIC COMPOUNDS CONTAINING NITROGEN	13	808-888	5	5	5
	C12	SURFACE CHEMISTRY	5	264-304	5	3	3
NOV	C13	POLYMERS	15	945-980	4	2	2
	C14	GENERAL PRINCIPLES & PROCESSES OF ISOLATION OF ELEMENTS	6	307-338	2	2	2
DEC	C15	BIOMOLECULES	14	889-944	2	2	2
	C16	CHEMISTRY IN EVERYDAY LIFE	16	981-1003	2	2	2
JAN	REV	REVISION					
		PRACTICAL SYLLABUS					

AS PER ISC SYLLABUS, WHICH WILL BE TAUGHT IN THE CLASS & DEMONSTRATED IN THE LABORATORY
SOU MYAJIT SETT

FIRST SELECTION- POSTER
S.U.P.W FINAL SELECTION- DESIGN

****HANDMADE PROJECT MODEL AS WELL AS THE FILE IS TO BE SUBMITTED
SANDEEP ROYCHOWDHURY,TULIKA BANIK**

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

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