

**ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS XII(BIOLOGY)**

SUBJECT	BIOLOGY
BOOKS	PUBLISHER
1.(A TEXTBOOK OF BIOLOGY) CLASS-XII	NCERT
2.PRACTICAL MANUAL-TOGETHER WITH BIOLOGY	RACHNA SAGAR

<u>ASSESSMENTS</u>	<u>% SYLLABUS TO BE COVERED</u>	<u>MONTH & NO OF WORKING DAYS</u>	<u>TOPICS</u>	<u>PERIODS REQUIRED</u>	<u>ACTIVITIES</u>
UT-1	20%	APRIL 23 DAYS	1.REPRODUCTION IN ORGANISM 2. SEXUAL REPRODUCTION IN FLOWERING PLANTS.	15	-study the pollen germination on a slide in a nutrient medium -study the flowers adapted to pollination -perform the exercise on controlled pollination-emasculation, tagging and bagging. -study the adaptations in plants and animals living in xerophytic conditions and aquatic conditions.
	10%	MAY 08 DAYS	3. HUMAN REPRODUCTION 4.REPRODUCTIVE HEALTH	15	-study of T.S of ovary,testis,blastula
IST UNIT TEST SYLLABUS			Chapter-1,2,3,4		
	20%	JULY 25 DAYS	5.PRINCIPAL OF INHERITANCE 6.MOLECULAR BASIS OF INHERITANCE	40	-study different stages of mitosis and meiosis. -study the seed samples and and analyse the Mendelian ratios. -study pedigree charts of genetic traits like rolling of tongue,blood groups,ear lobes,widow's peak,colour blindness
	15%	AUG 20 DAYS	7.MOLECULAR BASIS OF INHERITANCE CONTINUOUS 8.BIOTECHNOLOGY:PRINCIPALS AND PROCESSES	30	-isolation of DNA
	15%	SEP 22 DAYS	9. BIOTECHNOLOGY AND ITS APPLICATION 10.EVOLUTION 11.HUMAN HEALTH AND DISEASES	30	-study homologous and analogous in various plants and tissues
HALF YEARLY SYLLABUS			Chapter-1,2,3,4,5,6,7,8,9,10		

	10%	OCT 19 DAYS	12. STRATEGIES FOR ENHANCEMENT IN FOOD. 13.MICROBESIN HUMAN WELFARE 14.ORGANISM AND POULATION	15	Study and identify common diseases causing organisms like <i>Ascaris</i> , <i>Entamoeba</i> , <i>Plasmod ium</i> , and Ringworm.
	10%	NOV 10 DAYS	15.ECOSYSTEM 16.BIODIVERSITY AND CONSERVATION 17.ENVIRONMENTAL ISSUES	15	-study the action of salivary amylase on starch. -study the effect of temperature and Ph on the action of salivary amylase. -study the physical nature of soil depending on particles size and correlate with the plants growing in them. -study the water holding capacity, pH,moisture of different soil samples. -study plant population density, population frequency by quadrates method.
17 TH NOV SYLLABUS COMPLITION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2 ND UT 1 ST PRE BOARD FROM 7 TH DEC – 19 TH DEC 2018			Full syllabus		
		DEC 18 DAYS	REVISION		
		JAN	REVISION		
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019			ENTIRE SYLLABUS		

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS - XII

SUBJECT-chemistry					
BOOKS			PUBLISHER		
1.NCERT Chemistry for class XII			NCERT		
2. Lab Manual			Nav Bharat Publication		
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	APRIL 23 DAYS	1.solid states, 2. solutions 3. electrochemistry	7 10 10	1.preparation of crystals of Mohr salt 2.preparation of crystals of potash alum 3.separation of colours of black ink by chromatography exp
UT-1	10%	MAY 08 DAYS	4.chemical kinetics	10	4. preparation of colloidal solutions of ferric hydroxide
IST UNIT TEST SYLLABUS			Lesson 1-4		
	20%	JULY 25 DAYS	5.Surface chemistry 6.Halo alkanes and halo arenes 7. Alcohol, phenols and ethers	6 11 10	5.preparation of colloidal solutions of starch 6.compare the stability of emulsions using emulsifying agent 7.salt analysis (theoretical explanation)
	15%	AUG 20 DAYS	8. Aldehydes, ketones and carboxylic acids 9. amines	12 10	8.analysis of cations – ammonium, lead, aluminium, cadmium, iron, nickel, zinc, barium, etc 9.analysis of anions- carbonate, sulphide, nitrate, acetate, chloride, sulphate, phosphate etc
Half yearly	15%	SEP 22 DAYS	10. bio molecules 11. polymers 12.chemistry in everyday life 13. coordination chemistry	8 5 2 8	10. salt analysis continued
HALF YEARLY SYLLABUS			Lesson 1 to 13		
	10%	OCT 19 DAYS	14. general chemicals & extractions of elements 15. p-block elements	4 16	11.volumetric analysis- a)KMnO ₄ vs Mohr salt b) KMnO ₄ vs oxalic acid
	10%	NOV 10 DAYS	16. d & f-block elements	12	Correction of lab manual and investigatory project
17TH NOV SYLLABUS COMPIATION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018			Entire syllabus covered.		
Pre board –I		DEC 18 DAYS	REVISION		
Pre board –II		JAN	REVISION		
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019					

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS - XII

SUBJECT: PHYSICS

BOOKS		PUBLISHER			
NCERT SCIENCE		NCERT			
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	MARCH 8 DAYS APRIL 23 DAYS	UNIT-I: ELECTROSTATICS 1. ELECTRIFIED & POTENTIAL 2. CAPACITANCE, DIELECTRICS UNIT-II: CURRENT ELECTRICITY 1. ELECTRIC CURRENT & OHM'S LAW 2. ELECTRIC CIRCUIT	25	OHM'S LAW RESISTIVITY BY METER BRIDGE SERIES & PARALLEL COMBINATION BY METER BRIDGE
	10%	MAY 11 DAYS	UNIT-III: 1. MAGNETIC EFFECT OF CURRENT	20	COMPARISON OF EMF'S OF TWO CELLS BY POTENTIOMETER
1ST UNIT TEST SYLLABUS			All syllabus covered		
	20%	JULY 25 DAYS	UNIT-III: (CONTD.) 2. MAGNETISM UNIT-IV: ELECTROMAGNETIC INDUCTION & ALTERNATING CURRENT	28	INTERNAL RESISTANCE BY POTENTIOMETER
	15%	AUG 20 DAYS	UNIT-V: EM WAVES UNIT-VI OPTICS 1. RAY OPTICS 2. WAVE OPTICS	24	FOCAL LENGTH OF CONCAVE MIRROR & CONCAVE LENS
	15%	SEP 22 DAYS	UNIT-VI (CONTD.) WAVE OPTICS UNIT-VII: DUAL NATURE OF MATTER & RADIATION	24	FOCAL LENGTH OF CONVEX MIRROR & CONVEX LENS
HALF YEARLY SYLLABUS			All syllabus covered		
	10%	OCT 19 DAYS	UNIT-VIII: ATOMS & NUCLEI UNIT-IX: ELECTRONIC DEVICES	22	CHARACTERISTICS OF PN JUNCTION DIODE & ZENER DIODE, ANGLE OF MINIMUM DEVIATION BY PRISM.
	10%	NOV 10 DAYS	UNIT-X: COMMUNICATION SYSTEMS	12	CHARACTERISTICS OF TRANSISTOR
17TH NOV SYLLABUS COMPLETION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018			Complete syllabus		
		DEC 18 DAYS	UNITWISE NCERT PROBLEMS & VALUE BASED QUESTIONS		
		JAN	UNITWISE HIGHER ORDER THINKING QUESTIONS & CBSE SAMPLE PAPERS		
2ND PRE BOARD FROM 14TH JAN – 21ST JAN 2019			Complete syllabus		

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS - XII

SUBJECT-ACCOUNTANCY					
BOOKS			PUBLISHER		
1.Accounting for Partnership Firms (Volume-I) Part-A			Sultan Chand		
2.Accounting For Companies (Volume-II)			Sultan Chand		
3.Analysis of Financial Statements (Part –B)			Sultan Chand		
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PRD REQ	ACTIVITY
UT-1	20%	APRIL 23 DAYS	Unit -1 Chapter 1 Financial Statements of not-for- profit Organisation Unit-2 Chapter-2 Accounting of partnership firms- Fundamentals Chapter -3 Goodwill: Nature and Valuation Chapter-4 Change in Profit-Sharing Ratio Among the Existing Partners	30	
	10%	MAY 20 DAYS	Chapter-5 Admission of a Partner Chapter-6 Retirement/Death of partner Chapter-7 Dissolution of a Partnership Firm	30	Comprehensive Project
I ST UNIT TEST SYLLABUS			Unit -1 NPO Unit-2Accounting of partnership Firms Chapter 1 ,2,3 and 4		
HY-EXAM	20%	JULY 25 DAYS	Unit –II Company Accounts Chapter -8 Accounting for Share capital Chapter-9 Issue of Debentures Chapter-10 Redemption of debentures	35	
	15%	AUG 20 DAYS	PART-B Financial Statement Analysis Unit-III Chapter-1 Financial Statements of a Company	15	
	15%	SEP 22 DAYS	Chapter-2 Financial Statement Analysis Chapter-3 Tools of Financial Statement Analysis Chapter-4 Accounting Ratios a. Liquidity Ratios b. Turnover Ratios	30	Specific Project-1
HALF YEARLY SYLLABUS			Accounting for Not-for Profit Organisations. Partnership Accounting Company Accounts		
	10%	OCT 19 DAYS	Chapter-4 Accounting Ratios c. Solvency Ratios d. Profitability Ratios Chapter-5 Cash Flow Statement without adjustments	25	Specific Project-2
	10%	NOV 10 DAYS	Chapter-5 Cash Flow Statement with adjustments	15	
17 TH NOV SYLLABUS COMPLITION FOR CLASS XII 1 ST PRE BOARD FROM 7 TH DEC – 19 TH DEC 2018			Complete Syllabus		
	PART-A	DEC 18 DAYS			REVISION
	PART-B	JAN			REVISION

2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019	Complete Syllabus		
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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS - XII

SUBJECT : BUSINESS STUDIES

BOOKS	PUBLISHER
NCERT	NCERT
DR. L M PRASAD RAJESH KUMAR	SULTAN CHAND

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
UT-1	20%	APRIL 23 DAYS	1.NATURE & SIGNIFICANCE OF MANGEMENT	14	
			2.PRINCIPLES OF MANGEMENT	14	
			3.BUSINESS ENVIRONMENT	12	
	10%	MAY 20 DAYS	4. PLANNING 5. ORGANISING	14 18	PROJECT 1
1ST UNIT TEST SYLLABUS			Chapter 1-5		
H Y EXAM	20%	JULY 25 DAYS	6. STAFFING	16	
			7. DIRECTING	18	
	15%	AUG 20 DAYS	8. CONTROLLING II nd PART :	14	
	15%	SEP 22 DAYS	9. FINANCIAL MANAGEMENT 10. FINANCIAL MARKETS	22 20	
HALF YEARLY SYLLABUS			Chapter 1-10		
PRE-BOARD	10%	OCT 19 DAYS	11. MARKETING MANAGEMENT	32	PROJECT 2
	10%	NOV 10 DAYS	12. CONSUMER PROTECTION	16	
17TH NOV SYLLABUS COMPLETION FOR XII 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018			Complete Syllabus as per board pattern		
		DEC 18 DAYS	REVISION Remedial Classes		
		JAN	REVISION Remedial classes		
2ND PRE BOARD FROM 14TH JAN – 21ST JAN 2019			Complete syllabus as per board pattern		

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**ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS XII**

SUBJECT					
BOOKS			PUBLISHER		
1-Flamingo			NCERT		
2-Vistas			NCERT		
3-The Invisible Man (HG Wells)					
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	March -6 Days APRIL- 20DAYS	Notice, Letters - Editor & Complaint Advertisement , Note Making Job Application The Last Lesson Lost Spring	2 4 5 2 3 5 5	
	10%	MAY 20DAYS	My Mother ...six Article Tiger King , Deep Water	3 2 5 6	
IST UNIT TEST SYLLABUS					
	20%	JULY 25DAYS	Elementaryslum Should wizard(5) Memories of Childhood , Enemy Report , Note Making	6 4 4 7 2 2	
	15%	AUG 20 DAYS	Novel , Keeping Quiet Debate Thing of Beauty On the Face Letter : Complaint & Order	4 3 2 4 5 2	
	15%	SEP 11 DAYS	Rattrap Revision	6 5	
HALF YEARLY SYLLABUS					
	10%	OCT 18 DAYS	Indigo (6), Going Places , Evans ...	6 4 8	
	10%	NOV 10 DAYS	Aunt Jennifer ...(3) Novel (3)	3	
17TH NOV SYLLABUS COMPLETION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018					
		DEC 18 DAYS	REVISION		

		JAN	REVISION		
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019					

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**ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS X & XII**

SUBJECT					
BOOKS			PUBLISHER		
MACRO ECONOMICS			OHRI AND JAIN		
MICRO RCONOMICS			OHRI AND JAIN		
SCANNER			REFRESHER		
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	APRIL 23DAYS	MEASURNMENT OF NATIONAL INCOME AND AGGREGATES INTRODUCTION	36	RESEAR CH WORK FOR PROJECT
	10%	MAY 08DAYS	CONSUMER EQUILIBRIUM AND THEORY OF DEMAND	32	
1ST UNIT TEST SYLLABUS			APRIL TO MAY		
	20%	JULY 25DAYS	PRODUCER EQUILIBRIUM AND THEORY OF SUPPLY	32	REPORT ON PROJECT
	15%	AUG 20 DAYS	DETERMINATION OF INCOME AND EMPLOYMENT	20	
	15%	SEP 22 DAYS	DETERMINATION OF INCOME AND EMPLOYMENT REVISION	7	
HALF YEARLY SYLLABUS			APRIL TO SEPTEMBER		
	10%	OCT 19 DAYS	FORMS OF MARKET MONEY AND BANKING	28	
	10%	NOV 10 DAYS	GOVERNMENT BUDGET BALANCE OF PAYMENT FOREIGN EXCHANGE	15	
17TH NOV SYLLABUS COMPLITION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018					
		DEC 18 DAYS	REVISION		CORREC TION OF PROJECT WORK
		JAN	PREVIOUS YEAR QUESTION PAPERSPRACTISE		

			REVISION		
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019					

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS – XII

SUBJECT					
BOOKS			PUBLISHER		
FUNDAMENTAL OF HUMAN GEOGRAPHY			NCERT		
INDIA-PEOPLE AND ECONOMY			NCERT		
PRACTICAL WORK-2			NCERT		
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	APRIL 23 DAYS	B1. 1.Human Geography Nature And Scope 2. The World Population Distribution, Density And Growth 3. Population Composition B2. 1. Population: Distribution, Density, Growth and Composition 3. Human Development B1.4. Human Development	20+3	Map Work ch-2 Unit3- 1.Data - Sources of data.
	10%	MAY 08 DAYS	B1.5. Primary Activities 6. Secondary Activities	8+2	3.field survey Map Work
IST UNIT TEST SYLLABUS					
	20%	JULY 25 DAYS	7. Tertiary And Quaternary Activities: 10.Human Settlement B2.4. Human settlements 5. Land Resources and Agriculture 6. Water Resources	25+3	2 Tabulating and processing of data Map Work
	15%	AUG 20 DAYS	7. Mineral and Energy Resources 8. Manufacturing Industries 9. Planning and sustainable development in Indian Context	16+4+3	2 Tabulating and processing of data Map Work
	15%	SEP 22 DAYS	B1. 8.Transport And Communication B2-10. Transport And Communication	14+5+4	3. Represent ation of data Map Work
HALF YEARLY SYLLABUS					
	10%	OCT 19 DAYS	B1-9. International Trade B2-11. International Trade	14+5+3	4 Use of computers in data processing and mapping
	10%	NOV 10 DAYS	12. Geographical Perspective on Selected Issues and Problems	7+3+3	Map Work

17TH NOV SYLLABUS COMPLITION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018					
		DEC 18 DAYS	REVISION		
		JAN	REVISION		
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019					

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
HISTORY CLASS XII

SUBJECT : HISTORY (027)

BOOKS	PUBLISHER
Themes in Indian History Part-I	NCERT
Themes in Indian History Part-II	NCERT
Themes in Indian History Part-III	NCERT
25 BLANK MAPS	INDIA POLITICAL OUTLINE
History Research Project	Projects based on syllabus & students choice

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
SCREENING TEST	20%	APRIL 23 DAYS	1. The Story of the First Cities: Harappan Archaeology. 2. Political and Economic History: How Inscriptions tell a story. 3. Social Histories: Using the Mahabharata	8 7 8	SbQs Maps Assignment Project Work
	10%	MAY 08 DAYS	4. A History of Buddhism: Sanchi Stupa	8	

FIRST UNIT TEST SYLLABUS

FIRST UNIT TEST	20%	JULY 25 DAYS	5. Medieval Society through Travellers' Accounts 6. Religious Histories: The Bhakti-Sufi Tradition 7. New Architecture: Hampi	8 8 9	SbQs Maps Assignment Project Work
	15%	AUG 20 DAYS	8. Agrarian Relations: The Ain-i-Akbari 9. The Mughal Court: Reconstructing Histories through Chronicles 10. Colonialism and Rural Society: Evidence from Official Reports	7 7 6	SbQs Maps Assignment Project Work
HALF YEARLY EXAMINATION	15%	SEP 22 DAYS	11. Representations of 1857 12. Colonialism and Indian Towns: Town Plans and Municipal Reports	11 11	SbQs Maps Assignment Project Work

HALF YEARLY SYLLABUS

	10%	OCT 19 DAYS	13. Mahatma Gandhi through Contemporary Eyes 14. Partition through Oral Sources	10	SbQs Maps Assignment Project Work
	10%	NOV 10 DAYS	15. The Making of the Constitution	10	

17TH NOV SYLLABUS COMPLETION FOR X AND XIIPRE BOARD 1 / 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018

FIRST PRE- BOARD EXAMINATION		DEC 18 DAYS	REVISION	18	SbQs Maps Assignment Project Work
SECOND PRE- BOARD EXAMINATION		JAN	REVISION	10	Internal Assessment

2ND PRE BOARD FROM 14TH JAN – 21ST JAN 2019

Asha Jakhmola

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**ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS X & XII**

SUBJECT HOME – SCIENCE		CLASS – XII		CODE - 064	
BOOKS			PUBLISHER		
COMPREHENSIVE – HOME SCIENCE			LAXMI PUBLICATIONS		
BY					
ANJU CHAUHAN					
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	APRIL 23DAYS	1. Unit I – Human development – life span Approach –II LNo. 1,2,3,4 2. Community development and extension- Unit - V		1. Adolescent adjustment questionnaire. 2. Project report on needs of elderly. 3. Areas of agreement/ disagreement with society members. 4. Survey on water safety and hygiene.
	10%	MAY 08DAYS	Unit II – Meal planning		1. Meal planning for family Members.
IST UNIT TEST SYLLABUS					
	20%	JULY 25DAYS	Unit II – meal modification Therapeutic meal modification Food safety and Quality		1. Meal modification for special health conditions. 2. Food Adulteration.
	15%	AUG 20 DAYS	Unit III – Application of elements of Art And principles of design Selection of Fabrics and apparel		1. Evaluate and illustrate elements of art an paper or cloth. 2. Examine readymade garments for workmanship.
	15%	SEP 22 DAYS	Unit IV- care and maintenance of cloths. Career options after Home – Science education		1. Stain Removal 2. Short listing career options.
HALF YEARLY SYLLABUS					
	10%	OCT 19 DAYS	Unit III – 1. Family Income 2 . Saving and Investments		1. Collecting and filling bank documents
	10%	NOV 10 DAYS	Unit III – 3 consumer protection Act.		1. Collect/ prepare labels for ISI, FPO, Agmark.
17TH NOV SYLLABUS COMPLITION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018					
		DEC 18 DAYS	REVISION 1. Chapterwise revision with board pattern questions from sample papers		
		JAN	REVISION		

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS XII

SUBJECT : MATHEMATICS

BOOKS		PUBLISHER			
NCERT					
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	MARCH/APRIL 23DAYS	Matrix and Determinants , Continuity and Differentiability	40	
	10%	MAY 08DAYS	Differentiation , Application of Derivatives	28	
IST UNIT TEST SYLLABUS			Chapters covered from March to May		
	20%	JULY 25DAYS	Relation and Functions , Inverse trigonometric Functions	30	
	15%	AUG 20 DAYS	Indefinite Integrals	30	
	15%	SEP 22 DAYS	Definite Integrals , Application of integration , Differential equation	25	
HALF YEARLY SYLLABUS			Chapters covered from March to September		
	10%	OCT 19 DAYS	Linear Programming , Probability , Vectors	28	
	10%	NOV 10 DAYS	3-Dimensional geometry	18	
17TH NOV SYLLABUS COMPLITION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018					
		DEC 18 DAYS	REVISION		
		JAN	PREVIOUS YEAR QUESTION PAPERS PRACTISE REVISION		
2ND PRE BOARD FROM 14TH JAN – 21ST JAN 2019					

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ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS XII

SUBJECT MULTIMEDIA AND WEB TECHNOLOGY					
BOOKS			PUBLISHER		
MULTIMEDIA AND WEB TECHNOLOGY			BR INTERNATIONAL PUBLISHERS		
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQ.	ACTIVITIES
	20%	APRIL 23 DAYS	CHAPTER 1: REVISION OF CLASS XI (i) HTML (ii) JAVASCRIPT	15 17	Website Creation using HTML and JavaScript.
	10%	MAY 08 DAYS	CHAPTER 2: COMPUTER SYSTEM: DATABASE (i) TYPE OF KEYS (ii) RELATIONSHIP BETWEEN TABLES	5 10	Creation of Database for any organization
IST UNIT TEST SYLLABUS					
	20%	JULY 25 DAYS	CHAPTER 3: COMMUNICATION AND NETWORK CONCEPTS CHAPTER 4: INTRODUCTION TO OPEN SOURCE SOFTWARE CHAPTER 5: MULTIMEDIA APPLICATIONS	5 5 5	Analysis of different types of Cables, Topologies and Devices Discussion and Cross Questioning Discussion and Cross Questioning
	15%	AUG 20 DAYS	CHAPTER 6: GETTING STARTED WITH PHP CHAPTER 7: VARIABLES AND OPERATORS CHAPTER 8: PHP: BUILT IN FUNCTIONS AND ARRAYS	5 8 7	PHP webpages using the control statements, function and arrays.
	15%	SEP 22 DAYS	CHAPTER 9: PHP: FLOW OF CONTROL CHAPTER 10: PHP: USER DEFINED FUNCTIONS CHAPTER 11: PHP FORMS	8 7	Using functions in webpages and creating Forms.
HALF YEARLY SYLLABUS					
	10%	OCT 19 DAYS	CHAPTER 12: PHP: WORKING WITH TEXT FILES CHAPTER 13: WORKING ON DATABASE CHAPTER 14: FLASH AN INTRODUCTION	8 10 5	Editing and uploading text files in the webpages Creating the database based on the website. Login form and visitor count in the website.
	10%	NOV	CHAPTER 15: CREATING		Creating

		10 DAYS	ANIMATION CHAPTER 16: PUBLISHING FLASH MOVIES	3 3	Animation and publishing it on the website
17 TH NOV SYLLABUS COMPLETION 1 ST PRE BOARD FROM 7 TH DEC – 19 TH DEC 2018					
		DEC 18 DAYS	REVISION		
		JAN	REVISION		
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019					

SIG OF HOD

ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018- 19
CLASS XII

SUBJECT		PHYSICAL EDUCATION			
BOOKS &		HEALTH AND PHYSICAL EDUCATION			
PUBLISHERS		NEW SARASWATI HOUSE			
THEORY PERIODS: 120-140 (AS PER CBSE)					
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
	20%	APRIL 23 DAYS	Unit-I : Planning in Sports <ul style="list-style-type: none"> • Meaning & Objectives Of Planning • Various Committees & its Responsibilities (pre; during & post) • Tournament – Knock-Out, League Or Round Robin & Combination • Procedure To Draw Fixtures – Knock-Out (Bye & Seeding) & League (Staircase & Cyclic) Intramural & Extramural – Meaning, Objectives & Its Significance • Specific Sports Programme (Sports Day, Health Run, Run For Fun, Run For Specific Cause & Run For Unity) Unit-II : Sports & Nutrition <ul style="list-style-type: none"> • Balanced Diet & Nutrition: Macro & Micro Nutrients Nutritive & Non-Nutritive Components Of Diet • Eating For Weight Control – A Healthy Weight, The Pitfalls Of Dieting, Food Intolerance & Food Myths Sports nutrition & its effect on performance (fluid & meal intake, pre, during & post competition) Food supplement for children	30	
	10%	MAY 8 DAYS	Unit-III : Yoga & Lifestyle <ul style="list-style-type: none"> • Asanas as preventive measures • Obesity: Procedure, Benefits & contraindications for Vajrasana, Hastasana, Trikonasana, Ardhamatsyendrasana • Diabetes: Procedure, Benefits & contraindications for Bhujangasana, Paschimottasana, PavanMuktasana, Ardhamatsyendrasana • Asthema: Procedure, Benefits & contraindications for Sukhasana, Chakrasana, Gomukhasana, Parvatasana, Bhujangasana, Paschimottasana, Matsyasana • Hypertension: Tadasana, Vajrasana, PavanMuktasana, ArdhaChakrasana, Bhujangasana, Sharasana • Back Pain: Tadasana, Ardhamatsyendrasana, Vakrasana, Shalabhasana, Bhujangasana 	15	
	I ST UNIT TEST SYLLABUS				

	20%	JULY 25 DAYS	<p>Unit-IV : Physical Education & Sports for Differently-Abled</p> <ul style="list-style-type: none"> • Concept of Disability & Disorder • Types of Disability, its causes & nature (cognitive disability, intellectual disability, physical disability) • Types of Disorder, its cause & nature (ADHD, SPD, ASD, ODD, OCD) Disability Etiquettes • Advantage of Physical Activities for children with special needs • Strategies to make Physical Activities assessable for children with special need. <p>Unit-V : Children & Sports</p> <ul style="list-style-type: none"> • Motor development & factors affecting it • Exercise Guidelines at different stages of growth & Development Advantages & disadvantages of weight training • Concept & advantages of Correct Posture Causes of Bad Posture • Common Postural Deformities - Knock Knee; Flat Foot; Round Shoulders; Lordosis, Kyphosis, Bow Legs and Scoliosis • Corrective Measures for Postural Deformities 	22	
	15%	AUG 20 DAYS	<p>Unit-VI : Women & Sports</p> <ul style="list-style-type: none"> •Sports participation of women in India •Special consideration (Menarch&MensturalDisfunction) •Female Athletes Triad (Oestoperosis, Amenoria, Eating Disorders) <p>Psychological aspects of women athlete</p> <ul style="list-style-type: none"> •Sociological aspects of sports participation <p>Unit-VII : Test & Measurement in Sports</p> <ul style="list-style-type: none"> • Computation of Fat Percentage - • Slaughter – Lohman Children Skinfold Formula: • Triceps & Calf Skinfold (Male 6 to 17 yrs - % body fat = (0.735 X sum of skinfold) + 1.0 • (Female 6 to 17 yrs - % body fat = (0.610 X sum of skinfold) + 5.0 • Measurement of Muscular Strength – Kraus Weber Test • Motor Fitness Test – AAPHER • General Motor Fitness – Barrow three item general motor ability (Standing Broad Jump, ZigZag Run, Medicine Ball Put – For Boys: 03 Kg & For Girls: 01 Kg) • Measurement of Cardio Vascular Fitness – Harvard Step Test/Rockport Test - Computation of Fitness Index: Duration of the Exercise in Seconds x 100 5.5 x Pulse count of 1-1.5 Min after Exercise Rikli& Jones - Senior Citizen Fitness Test <ol style="list-style-type: none"> 1. Chair Stand Test for lower body strength 2. Arm Curl Test for upper body strength 	22	

			<ol style="list-style-type: none"> 3. Chair Sit & Reach Test for lower body flexibility 4. Back Scratch Test for upper body flexibility 5. Eight Foot Up & Go Test for agility 6. Six Minute Walk Test for Aerobic Endurance 		
	15%	Sep 22 DAYS	Unit-VIII : Physiology & Sports •Gender differences in physical & physiological parameters. •Physiological factor determining component of Physical Fitness •Effect of exercise on Cardio Vascular System •Effect of exercise on Respiratory System Effect of exercise on Muscular System Physiological changes due to ageing •Role of physical activity maintaining functional fitness in aged population	10	
	10%	OCT 19 DAYS	Unit-IX : Sports Medicine •Concept, Aims & Scope of Sports Medicine •Sports injuries: Classification, Causes & Prevention •First Aid – Aims & Objectives Management of Injuries: Soft Tissue Injuries: •(Abrasion, Contusion, Laceration, Incision, Sprain & Strain) Bone & Joint Injuries: •(Dislocation, Fractures: Stress Fracture, Green Stick, Communated, Transverse Oblique & Impacted) Unit-X : Kinesiology, Biomechanics & Sports •Projectile & factors affecting Projectile Trajectory Newton’s Law of Motion & its application in sports Aerodynamics Principles •Friction & Sports Introduction to Axes & Planes •Types of movements (Flexion, Extension, Adbuction& Adduction) Major Muscles involved in running, jumping & throwing Unit-XI : Psychology & Sports •Understanding Stress & Coping Strategies (Problem Focussed & Emotional Focussed) •Personality; its definition & types – Trait & Type (Sheldon & Jung Classification) & Big Five Theory •Motivation, its type & techniques Self-esteem & Body Image •Psychological benefits of exercise •Meaning, Concept & Types of Aggressions in Sports	24	
	10%	NOV 10 DAYS	Unit-XII : Training in Sports <ul style="list-style-type: none"> • Strength – Definition, types & methods of improving Strength – Isometric, Isotonic & Isokinetic • Endurance - Definition, types & methods to develop Endurance – Continuous Training, Interval Training & Fartlek Training • Speed – Definition, types & methods to develop Speed – Acceleration Run & Pace Run Flexibility – Definition, types & methods to improve flexibility 	10	

			<ul style="list-style-type: none"> • Coordinative Abilities – Definition & types • Circuit Training & High Altitude Training; Introduction & its impact 		
17TH NOV SYLLABUS COMPLITION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UNIT 1ST PRE BOARD FROM 7TH DEC- 19TH DEC 18					
		DEC 18 DAYS	REVISION		
		JAN	REVISION		
2 ND PRE BOARD FROM 14 TH -21 ST JAN 19					

SIG OF HOD

**ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS X & XII**

SUBJECT: PHYSICS

BOOKS		PUBLISHER			
Legal studies		NCERT			
ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
Test I 1 st to 5 th may	20%	MARCH 8 DAYS APRIL 23 DAYS	UNIT 1 Judiciary UNIT 2 1. law of property 2. law of contracts	7 8 8	Exercise s based on case study
	10%	MAY 11 DAYS	3. law of Torts 4. Administrative law	6 9	Case law (Proble m discussi on)
IST UNIT TEST SYLLABUS					
	20%	JULY 25 DAYS	5. Introduction to Criminal law in India UNIT 3 Alternative Dispute resolution	9 11	Case law (Proble m discussi on)
	15%	AUG 20 DAYS	UNIT 4 Human Right under International Law and in India	15	Exercise s based on case study
	15%	SEP 22 DAYS	UNIT 5 1 Legal Profession in India a) Advocate Act 1961 b) The bar council of India c) Legal education d) Opportunities for law graduates e) Legal profession in UK ; France; Germany; China; Singapore; Australia	18	Group Discussi on
HALF YEARLY SYLLABUS					
	10%	OCT 19 DAYS	UNIT 6 1 Legal Services a) Free legal aid under International law b) NALSA Regulation c) Lok Adalats	18	Case law (Proble m discussi on)
	10%	NOV 10 DAYS	UNIT 7 1 International Context a) International law and Municipal law b) Agencies of UN c) Dispute Resolution	14	Case law (Proble m discussi on)
17TH NOV SYLLABUS COMPLETION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT					

1 ST PRE BOARD FROM 7 TH DEC – 19 TH DEC 2018				
		DEC 18 DAYS	REVISION Previous years question papers and practice paper solved	
		JAN	REVISION Problem solving and remedial classes	
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019				

SIG OF HOD

ARMY PUBLIC SCHOOL MEERUT CANTT
SYLLABUS BIFURCATION 2018 - 19
CLASS X & XII

SUBJECT: PHYSICS

BOOKS	PUBLISHER
Part A : Contemporary World politics	NCERT
Part B: Politics in India Since Independence	NCERT

ASSESSMENTS	% SYLLABUS TO BE COVERED	MONTH & NO OF WORKING DAYS	TOPICS	PERIODS REQUIRED	ACTIVITIES
Test I 1 st to 5 th may	20%	MARCH 8 DAYS APRIL 23 DAYS	Ch 1: Cold War Era Ch 2: The end of Bipolarity Ch 3: US Hegemony in World Politics Ch 4: Alternative Centres of power	8 6 8 8	Cartoon Interpre tation Maps
	10%	MAY 11 DAYS	Ch 5 : Contemporary South Asia Ch 6: International Organizations	6 5	Maps Passage based question s
1ST UNIT TEST SYLLABUS					
	20%	JULY 25 DAYS	Ch7: Security in Contemporary World Ch8: Environment and natural resources Ch 9: Globalization	6 9 6	Cartoon Interpre tation Maps
	15%	AUG 20 DAYS	Part B Ch 1: Challenges of Nation building Ch 2 : Era of one party Dominance Ch 3: Politics of planned Development Ch 4 : India 's External relations	6 9 6 9	Maps Passage based question s
	15%	SEP 22 DAYS	Ch5 :challenges to Congress system Ch 6: Crisis of Democratic order	6 9	Cartoon Interpre tation Maps
HALF YEARLY SYLLABUS					
	10%	OCT 19 DAYS	Ch 7: Rise of popular movements Ch8: Regional Aspirations	9 9	Passage based question s Maps
	10%	NOV 10 DAYS	Ch 9: Recent developments in Indian Politics	9	Cartoon Interpre tation Maps
17TH NOV SYLLABUS COMPLITION FOR X AND XII PRE BOARD 1 COMPLETE SYLLABUS SYLLABUS FOR 2ND UT 1ST PRE BOARD FROM 7TH DEC – 19TH DEC 2018					
		DEC 18 DAYS	REVISION Previous years question papers and practice paper solved		

		JAN	REVISION Problem solving and remedial classes		
2 ND PRE BOARD FROM 14 TH JAN – 21 ST JAN 2019					

SIG OF HOD