

THE AIR FORCE SCHOOL
ANNUAL SYLLABUS – 2020-21
SECTION – C
SUBJECT – ENGLISH

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	READING: Comprehension passage Note making	Objective: 18 Marks Subjective: 8 Marks	-----
2.	GRAMMAR : Determiners Tenses	Objective: 8 Marks	-----
3.	WRITING SKILLS: Notice Posters Letter of complaint Letter of Enquiry Letter Placing an Order Speech Debate	Subjective: 16 Marks	-----
4.	LITERATURE HORNBILL The Portrait of a lady We're not afraid to die Discovering Tut Landscape of the soul Ailing Planet Silk Road POEMS A Photograph Laburnum Top Voice of the Rain Childhood SNAPSHOT Summer of beautiful... The Address Albert Einstein at School Birth	Objective: 14 Marks Subjective: 16 Marks	-----

SUBJECT – ECONOMICS

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	Introduction	5	NIL
2.	Consumer's equilibrium and demand.	10	NIL
3.	Supply and Cost	15	Producer's Equilibrium
4.	Price determination and competition.	10	Monopoly, oligopoly and monopolistic competition.

SUBJECT – STATISTICS

Name of the Topic	Weightage	Topic which will not be assessed
UNIT – 1: INTRODUCTION	04	
Chapter 2: Introduction – Meaning and Scope		-----
UNIT – 2: COLLECTION AND ORGANISATION OF DATA	10	
Chapter 3: Collection of Data Chapter 4: Organisation of Data Chapter 5: Tabulation of Data		-----
UNIT – 3: STATISTICAL TOOLS AND INTERPRETATION	26	
Chapter 8: Measures of Central Tendency		-----
Chapter 9: Positional Average and Partition Values		-----
Chapter 10: Measures of Dispersion		<ul style="list-style-type: none"> • range, quartile deviation, mean deviation • co-efficient of range, co-efficient of quartile-deviation, coefficient of mean deviation,
Chapter 11: Measures of Correlation		<ul style="list-style-type: none"> • Spearman's rank correlation.
Chapter 12: Introduction to Index Numbers		<ul style="list-style-type: none"> • Index of industrial production

SUBJECT – MATHS

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
	Unit - I : Sets and Functions		
1	Chapter 1: Sets	17	<ul style="list-style-type: none">• Difference of sets• Complement of a set• Properties of Complement
2	Chapter 2: Relations and Functions		<ul style="list-style-type: none">• Cartesian product of the set of reals with itself to $R \times R \times R$• Sum, difference, product and quotient of functions
3	Chapter 3: Trigonometric Functions		<ul style="list-style-type: none">• General solutions of trigonometric equations of the type: $\sin y = \sin a$, $\cos y = \cos a$, $\tan y = \tan a$
	Unit – II : Algebra		
4	Chapter 5: Complex Numbers and Quadratic Equations	25	<ul style="list-style-type: none">• Polar representation of complex numbers• Square root of a complex number
5	Chapter 6: Linear		NIL

	Inequalities		
6	Chapter 7: Permutations and Combinations		<ul style="list-style-type: none">Derivation of formulae for ${}^n P_r$ and ${}^n C_r$
7	Chapter 9: Sequences and Series		<ul style="list-style-type: none">Formulae for the following special sums $\sum k, \sum k^2, \sum k^3$
Unit – III : Coordinate Geometry			
8	Chapter 10: Straight Lines	17	<ul style="list-style-type: none">Shifting of originEquation of family of lines passing through the point of intersection of two lines
9	Chapter 11: Conic Sections		<ul style="list-style-type: none">A point, a straight line and a pair of intersecting lines as a degenerated case of a conic section
10	Chapter 12: Introduction to Three Dimensional Geometry		NIL
Unit – IV : Calculus			
11	Chapter 13: Limits and Derivatives	12	NIL
Unit – VI : Statistics and Probability			
12	Chapter 15: Statistics	9	<ul style="list-style-type: none">Analysis of frequency distributions with equal means but different variances.
13	Chapter 16: Probability		<ul style="list-style-type: none">Axiomatic (set theoretic) probability, connections with other theories of earlier classes

SUBJECT – BUSINESS STUDIES

PART A FOUNDATIONS OF BUSINESS			
S. No.	Name of the Unit/ Chapter	Weightage	Topic which will not be assessed
1.	Nature and Purpose of Business	6	-
2.	Forms of Business organizations	10	Choice of form of business organization
3.	Public, Private and Global Enterprises	6	Global Enterprises – Feature. Joint ventures, Public private partnership – concept
4.	Business Services	8	Postal Service - Mail, Registered Post, Parcel, Speed Post, Courier - meaning
5.	Emerging Modes of Business	4	Business Process Outsourcing- Concept, need and scope
6.	Social Responsibility	6	Business Ethics- Concept and Elements

PART B		FINANCE AND TRADE	
7.	Sources of Business Finance	12	Borrowed Funds: Inter- Corporate Deposits(ICD)- Concept
8.	Small Business	8	-
9.	Internal Trade	14	Types of retail trade- itinerant and small scale fixed shop retailers GST: Concept
10.	International Trade	6	Export Trade- meaning and procedure Import Trade- meaning and procedure Documents involved in International Trade WTO- meaning and objectives

SUBJECT – ACCOUNTANCY

S. No.	Name of the Unit	Weightage	Topic which will not be assessed
	Part-A:Financial Accounting-I		
1	Theoretical Framework	12	-
2.	Accounting Process	40	Bank Reconciliation Statement with adjusted Cash Book Retirement of Bill Renewal of Bill
	Part-B: Financial Accounting-II		
3.	Financial Statements of Sole Proprietorship from complete and incomplete records	20	Difference between accounts of incomplete records and Statement of Affairs. Preparation of Trading, Profit and Loss account and Balance Sheet
4.	Computers in Accounting	8	<ul style="list-style-type: none"> Introduction to operating software, utility software and application software. Introduction to accounting information system (AIS) as a part of Management Information System. Stages in automation: (a) Accounting process in a computerised environment; comparison between manual accounting process and computerised accounting process, (b) Sourcing of accounting software; kinds of software: readymade software; customised software and tailor-

			made software; generic considerations before sourcing accounting software (c) creation of account groups and hierarchy (d) generation of reports - trial balance, profit and loss account and balance sheet
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SUBJECT – IP

S No	Unit	Weightage	Portion which will not be Assessed
1.	Unit 1 Introduction to computer system	10	-
2.	Unit 2 Introduction to Python	25	While Loop
3.	Unit 3 Database concepts and the Structured Query Language	30	Foreign key. DROP TABLE, ALTER TABLE. , UPDATE, DELETE
4.	Unit 4 Introduction to Emerging Trends	5	

SUBJECT-HOME SCIENCE

S. NO.	UNIT	CHAPTERS	Weightage	Portion which will not be Assessed
1	Introduction to Home Science	Introduction to Home Science	02	
2	Understanding oneself: Adolescence	Ch.- Understanding the Self. Ch.- Food, Nutrition, Health and Fitness Ch. - Management of Resources Ch.- Fabric Around us Ch-Media and Communication Technology	20	Effective communication skills
3	Understanding Family, Community and Society	Ch. - Concerns and needs in diverse contexts:	15	Relationships and interaction with significant others
4	Childhood	Ch.-Survival, Growth and Development Ch.- Nutrition, Health and Wellbeing Ch.- Our Apparel	15	Care and education
5	Adulthood	Ch.- Health and Wellness Ch.- Financial Management and planning Ch.- Care and Maintenance of fabrics	18	Perspective in Communication Individual Responsibilities and Rights

SUBJECT– PHYSICAL EDUCATION

S. No.	Name of the Unit	Weightage	Topic which will not be assessed
1	Unit I: Changing Trends & Career in Physical Education	7	-
2	Unit II: Olympic Value Education	9	-
3	Unit III: Physical Fitness, Wellness & Lifestyle	8	-
4	Unit IV: Physical Education & Sports for CWSN	5	-
5	Unit V: Yoga	8	-
6	Unit VI: Physical Activity & Leadership Training	5	-
7	Unit VII: Test, Measurement & Evaluation	7	-
8	Unit VIII: Fundamentals of Anatomy, Physiology & Kinesiology in Sports	9	-
9	Unit IX: Psychology & Sports	4	-
10	Unit X: Training and Doping in Sports	8	-