

THE AIR FORCE SCHOOL
ES - II SYLLABUS – 2020-21
SECTION – E

SUBJECT – ENGLISH

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	Writing Skills Letter of Complaint (Service)	MCQ (2)+ Subjective (1) = 8 Marks	-----
2.	Literature Voice of the Rain Discovering Tut Landscape of the soul The Address	MCQ (8)+Subjective (4) = 22 MARKS	-----

SUBJECT – PHYSICS

S. No.	Name of the Topic/Chapter	Weightage	Topic which will not be assessed
1.	Chapter–5: Laws of Motion	9 Marks	Intuitive concept of force, Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion
2.	Chapter–6: Work, Energy and Power	12 Marks	
3.	Chapter–7: System of Particles and Rotational Motion	9 Marks	Statement of parallel and perpendicular axes theorems and their applications.

SUBJECT – CHEMISTRY

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	Chemical bonding and molecular structure	15 Marks	Nil
2.	States of matter	10 Marks	liquefaction of gases, critical temperature, kinetic energy and molecular speeds (elementary idea), Liquid State- vapour pressure, viscosity and surface tension (qualitative idea only, no mathematical derivations)
3.	Thermodynamics till 6.2.2 (a) Enthalpy	5 Marks	Nil

SUBJECT – MATHS

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	Chapter – 7 Permutations and Combinations	11 Marks	Derivation of formulae for ${}^n P_r$ and ${}^n C_r$
2.	Chapter – 9 Sequences and Series	10 Marks	Formulae for the following special sums $\sum k, \sum k^2, \sum k^3$
3.	Chapter – 11 Conic Sections	9 Marks	A point, a straight line and a pair of intersecting lines as a degenerated case of a conic section

SUBJECT – COMPUTER SCIENCE

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	Flow of Control	10 Marks	NA
2.	String Manipulation	10 Marks	NA
3.	List Manipulation	10 Marks	NA

SUBJECT – ECONOMICS

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	Supply and elasticity of supply	15 Marks	—

SUBJECT – STATISTICS

S. No.	Name of the Topic	Weightage	Topic which will not be assessed
1.	Chapter 2 - Introduction --Meaning and Scope of statistics	05 Marks	—
2.	Chapter 3 – Collection of Primary data	04 Marks	—
3.	Chapter 10 – Measures of dispersion	06 Marks	Range , Quartile deviation, Mean Deviation, coefficient of Range, Coefficient of Quartile deviation, coefficient of Mean Deviation