

DEWAN BADRINATH VIDYA MANDIR AMARVILLA
SYLLABUS 2023-24
CLASS XII(SCI)

SUBJECT	HALF YEARLY EXAMINATION
ENGLISH	<p>Reading:Factual, descriptive or literary based passage/Case-based factual passage with verbal/visual inputs like statistical data, charts etc.,</p> <p>Writing skills :Notice writing, Formal/Informal Invitation and Reply, Letters to the editor, application for a job with bio data or resume. Article writing</p> <p>Literature Text Book and Supplementary Reading Text:</p> <p>Flamingo (Prose) -Book 1</p> <ul style="list-style-type: none"> • The Last Lesson • Lost Spring • Deep Water • The Rattrap <p>(Poem)</p> <ul style="list-style-type: none"> • My Mother at Sixty-Six • Keeping Quiet • Aunt Jennifer’s Tigers <p>Vistas -Book 2</p> <ul style="list-style-type: none"> • The Third Level • The Tiger King
PHYSICS	<p>Magnetic effects of Electric current</p> <ul style="list-style-type: none"> • Magnetism • EMI and AC • EM Waves • All the chapters covered in UT-1
CHEMISTRY	<ul style="list-style-type: none"> • Chemical kinetics • d- & f-block elements • Coordination chemistry • Complete syllabus of book 1
MATH	<ol style="list-style-type: none"> 1. Relation and Functions. 2. Continuity and Differentiability. 3. Linear Programming. <ul style="list-style-type: none"> • All the chapters covered in UT-1

BIOLOGY	1.Reproductive health 2.Principles of inheritance and variation 3.Molecular bases of inheritance • All the chapters covered in UT-1
PHE	1. Yoga as Preventive measure for Lifestyle Disease 2. Physical Education & Sports for CWSN (Children with Special Needs - Divyang) 3. Sports & Nutrition • All the chapters covered in UT-1
IP	Python: Data Visualization Purpose of plotting; drawing and saving following types of plots using Matplotlib – line plot, bar graph, histogram Customizing plots: adding label, title, and legend in plots. Computer networks: Introduction to networks, Types of networks: PAN, LAN, MAN, WAN. Network Devices: modem, hub, switch, repeater, router, gateway Network Topologies: Star, Bus, Tree, Mesh. Introduction to Internet, URL, WWW, and its applications- Web, email, Chat, VoIP. Data Handling using Pandas -I Data Visualization Introduction to Computer Networks