

Estd. :1988

Motto: Learn & Teach

F.E.I.

Senior Secondary School

Recognised by the Government of J&K &

Affiliated to the J&K Board of School Education

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Syllabus of

**BASIC CONCEPTS &
GENERAL AWARENESS**

Class: 9th

Name: _____

DISCIPLINE IN STUDENTS

Discipline is essential for the overall development of students and students are expected to behave in a controlled and disciplined manner. Below are some guidelines you are expected to follow:

- ✓ Be punctual and regular.
- ✓ Be respectful and obedient to all.
- ✓ Come out of your class only during authorised breaks.
- ✓ Take care of your belongings as well as the school property.
- ✓ Use the dust bins to keep the school clean.
- ✓ Maintain order and discipline in the classroom as well as in the campus.
- ✓ Avoid shouting, running and playing rough games.
- ✓ Avoid use of abusive language, stealing, cheating and smoking.
- ✓ Avoid malpractices during examinations.
- ✓ Desist from hearing and watching immoral, improper & indecent radio and TV programmes.
- ✓ Do not bring objectionable print & electronic material to school.
- ✓ Do not keep mobile phones.
- ✓ Do not write anything on the walls and furniture.
- ✓ Don't waste time in idle gossip.

BASIC CONCEPTS

CLASS: 9TH

NOTE: All the students are required to learn the following subject-wise basic concepts which will form an essential component of all the Examinations.

Subject	Contents
English	<ul style="list-style-type: none"> ★ Poetic devices or poetic Techniques <ul style="list-style-type: none"> ➤ Simile ➤ Metaphoric ➤ Personification ➤ Inage ➤ Symbolism ➤ Alliteration ★ Idioms and Phrases ★ Synonyms ★ Compound words
Maths	<ul style="list-style-type: none"> ♣ Integers ♣ Rational Numbers and their Properties ♣ Density Property of Rational Numbers ♣ Irrational Numbers ♣ Irrationality of $\sqrt{2}$ ♣ Decimal representation of rational and irrational numbers ♣ Laws of Exponents ♣ Polynomial (Linear, Quadratic, Cubic & Quadratic) ♣ Zeros of a Polynomial. ♣ factor Theorem and Remainder Theorm ♣ Line segment, Ray, Angle ♣ Types of Angles. ♣ Pairs of angles. ♣ Parallel lines

Subject	Contents
Science (Physics & Chemistry)	<ul style="list-style-type: none"> ✍ Definition of Science and its branches. ✍ Physical quantities and types of Physical quantities ✍ Unit and types of Units. ✍ Important physical quantities ✍ Rest and Motion ✍ Matter and classification of matter. ✍ Atom ✍ Element, Compound, Molecule and mixture ✍ Ion and types of Ions. ✍ Concept of valence electrons. ✍ valency ✍ Noble gases ✍ Atomic number of elements & their symbols (first 50)
Science (Biology)	<ul style="list-style-type: none"> ❖ Concept of prokaryotic and Eukaryotic cells. ❖ Define the following terms: <ul style="list-style-type: none"> ♣ Diffusion, ♣ Osmosis, ♣ Hypotonic solution, ♣ Ringer's solution, ♣ Hypertonic solution. ❖ Five Kingdom classification ❖ Concept of Taxonomy ❖ Nutrients - Carbohydrates, Proteins and Fats ❖ Phagocytosis & Exocytosis in case of Cell

Subject	Contents
Social Studies	<p>Important definitions:</p> <ul style="list-style-type: none"> ⌘ Economics, Socialism, Imperialism, Colonialism, ion ⌘ The American War of Independence ⌘ Explain the Brettonwoods twins ⌘ Local Government ⌘ Karl Marx ★ Introduction about changing face of earth ★ Tectonic Movements ★ Earthquakes, Types of earthquake Waves ★ Types of Winds - Periodic, Permanent, Local etc. ★ Temperate Zones
Computer	<ul style="list-style-type: none"> ☐ Definition of Computer & its Parts ☐ Characteristics of Computers ☐ Generations of Computers ☐ Main Memory and Memory Chips ☐ Concept of Hardware and Software ☐ Application Software & System Software ☐ Cyber Crimes ☐ Operating System, Booting, Restore & Reboot ☐ Analog & Digital Signals ☐ Classification of Computers based on Size.

Subject	Contents
Urdu	<p>انتہا پروازی یا خدامہ نقادی کی پہچان مصدر اور حاصل مصدر میں تفرق مقل کی حالتیں اور فعل کی پہچان تکریم و تائید کی پہچان سلیں کے طریقے اور نوزد لکھنے کا طریقہ درخواست اور خط کا قاعدہ نھوں نقادی اور صفت کے درجے قواعد اردو اور پراگراف، فعل لازم فعل مقارع اسم معقول، منترل اور نظم تشبیہ اور استعارہ، توالیہ نقادی، اور عبارات زینتی میں تفرق</p>
Arabic and Islamic Studies	<p>مسئلہ دعائیں - کھانے پینے - سونے جہانے کی دعائیں معلومات قرآن مجید - سب سے بڑی سورہ - پندرہ سورہ سوالات سیرت النبیؐ - خاندان - ولادت طبری گنتی ۱۱ سے ۱۵ تک دس سبزیوں کے نام - عسلی میں حفظ سورہ - سورہ الناس سے سورہ الزلزلہ تک نماز کا طریقہ - فرائض - واجبات - رکوع - حیمہ کلمہ - صفت ایمان.</p>