

SYLLABUS FOR ENTRY TEST IG-III

DAY 1

ENGLISH

- Comprehension Passage (Unseen)
- Creative writing

MATHEMATICS

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| <ul style="list-style-type: none"> • Perimeter and Area of Simple Geometrical Figures. • Ratio, Rate and Speed • Arithmetical Problems, Percentages • Expansion and Factorization of Algebraic Expressions • Algebraic manipulation and formulae • Pythagoras's Theorem • Variations • Profit loss, simple and compound interest, exponential growth and decay, pie charts, average speed | <ul style="list-style-type: none"> • Simultaneous Linear Equations • Solution of Quadratic Equations • Coordinate Geometry • Congruent and Similar Triangles • Area and Volume of Similar Figures and Solids • Volume and Surface Area of Cylinder, Cone, Sphere and Pyramid, Cube & Cuboid |
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DAY 2

PHYSICS

- Length and Time
- Volume
- Density
- Mass and Weight
- Kinematics
- Dynamics
- Elastic Deformation
- Turning Effect of Forces
- Momentum
- Pressure
- Work Energy Power
- Transfer of Thermal Energy
- Temperature
- Thermal Properties of Matter
- Kinetic Model of Matter

CHEMISTRY

- Atomic Structure
- Bonding
- Acids/Basis/ Salts
- Moles
- The periodic Table
- Experimental Techniques

<p>BIOLOGY Biology A Course for O Levels by LAMPANG KWAN</p> <ul style="list-style-type: none"> • Cells • Diffusion Osmosis Active Transport • Enzymes • Nutrients • Nutrition in Mammals • Nutrition in Plants • Transport in Mammals • Transport in Plants • Respiration • Excretion • Homeostasis 	<p>COMPUTER SCIENCE</p> <ul style="list-style-type: none"> • Chapter 1,2,7,9,10. 		
<p>ACCOUNTING</p> <ul style="list-style-type: none"> • Role of accounting • The Double Entry system of book-keeping • Business documents. • Books of prime entry • The Cash Book • The General Journal • The Ledger • The Trial Balance • Financial statements with adjustments to ledger accounts. • Control accounts • Error in trial balance & suspense account <p>Accounting procedures</p> <ul style="list-style-type: none"> • Capital and revenue expenditure and receipts • Accounting for depreciation • Correction of errors • Control accounts <p>Financial statements</p> <ul style="list-style-type: none"> • Income statements • Statements of Financial Position 	<p>BUSINESS STUDIES</p> <ul style="list-style-type: none"> • Purpose and types of business activity • Enterprise, business growth and size • Types of business organizations • Business objectives and stakeholder's objectives • Motivating workers • Organization and management • Recruitment, selection and training • Internal and external communication • Marketing, competition and the customer • Marketing research • Product • Price • Promotion • Placement • The Marketing Strategy. • Unit-4 Operations Management. 		
	<p style="text-align: center;">ECONOMICS</p> <table border="1" style="width: 100%;"> <tr> <td data-bbox="778 1335 1129 1637"> <p>Section 5</p> <ul style="list-style-type: none"> • Living standards • Poverty • Population • Differences in economic development between countries </td> <td data-bbox="1129 1335 1479 1637"> <p>Section 6</p> <ul style="list-style-type: none"> • International specialization • Free trade and protection • Foreign exchange rates • Current account of balance of payments </td> </tr> </table>	<p>Section 5</p> <ul style="list-style-type: none"> • Living standards • Poverty • Population • Differences in economic development between countries 	<p>Section 6</p> <ul style="list-style-type: none"> • International specialization • Free trade and protection • Foreign exchange rates • Current account of balance of payments
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COLLEGE CAMPUS
16, Nazimuddin Road,
F-8/1, Islamabad.
Ph: 051-2255005 - 007
Cell: 0334-5938591
Cell: 0321-5166222
 snscollegecampus

GIRLS BRANCH
14-A, Nazimuddin Road,
F-8/1, Islamabad.
Ph: 051-2255005 - 007
Cell: 0312-8551806
 snsigcsegirlsbranch

ELEMENTARY CAMPUS
16, Nazimuddin Road,
F-7/1, Islamabad.
Ph: 051-2611783 & 785
Cell: 0312-8551813
Cell: 0334-5019755
 snsselementarycampus

PRIMARY CAMPUS
28, Kaghan Road,
F-9/4, Islamabad.
Ph: 051-2287864
Cell: 0332-5778790
Cell: 0312-5695282
 snsprimarycampus

PRE SCHOOL CAMPUS
9, Bhitai Road,
F-7/1, Islamabad.
Ph: 051-2652701
Cell: 0336-9145545
Cell: 0312-5695290
 supernovapreschool

KURI CAMPUS
Kuri Road, Near Bahria
Enclave, Islamabad.
Ph: 051-8736404
Cell: 0336-5778790
Cell: 0312-8551797
 snscuricampus

FAISAL TOWN CAMPUS
Street # 35, Block C,
Faisal Town F-18, Islamabad.
Ph: 051-5968205-07
Cell: 0312-8551820
Cell: 0312-8551837
 snsfaissaltowncampus

CAPITAL ENCLAVE CAMPUS
Near Mall of Arabia,
Islamabad Expressway
Islamabad.
Cell: 0312-8551825
 snscapitalenclavecampus

Email: admin@sns.edu.pk | admission@sns.edu.pk | complaints@sns.edu.pk

 www.sns.edu.pk

| **0312 8551836** |

 [supernovaschoolofficial](https://www.instagram.com/supernovaschoolofficial)