

CLASS XII (Science & Commerce)

HINDI

| S.NO. | Topic | Youtube Link |
|-------|----------------------------------|---|
| 1 | आत्म परिचय 12वी (भाग-1) | https://www.youtube.com/watch?v=OAYPtrmG9dA&feature=youtu.be |
| 2 | सिल्वर वेडिंग भाग 1 class 12 | https://www.youtube.com/watch?v=k3v1q7cqTbY&feature=youtu.be |
| 3 | सिल्वर वेडिंग भाग 2 | https://www.youtube.com/watch?v=8xNs8vt_aYQ&feature=youtu.be |
| 4 | सिल्वर वेडिंग भाग 3 प्रश्न उत्तर | https://www.youtube.com/watch?v=dldS9ICKj3Y&feature=youtu.be |

MATHEMATICS

| S.NO. | Topic | Youtube Link |
|-------|---|---|
| 1 | Types. of Relations | https://youtu.be/ntJLT1mlhNs |
| 2 | Types of Functions | https://youtu.be/UKFXwbDIQhw |
| 3 | Compostion and Invertible Functions | https://youtu.be/58MC0RPBsYk |
| 4 | Graphs of inverse trigonometric functions a | https://youtu.be/AEj-XZSZEKK |
| 5 | Properties with applications of inverse trigo | https://youtu.be/AikiszThMc |
| 6 | Miscellaneous exercise | https://youtu.be/Le0e8bA65Hw |
| 7 | Introduction , Elements,Order of matrices | https://youtu.be/-l0LJXIGnAw |
| 8 | Types of Matrice | https://youtu.be/s1JZzzQIMrE |
| 9 | Operains of Matrices | https://youtu.be/e_lJOiCfnW4 |
| 10 | Transpose of Matrices | https://youtu.be/q1iqod4T-fl |
| 11 | Symetric & Skew Symetric | https://youtu.be/xAxvX6_iHEc |
| 12 | Elementry Operation(Transformation) | https://youtu.be/WPyt7EfJm18 |
| 13 | Inverse of Square Matrices by Elementry O | https://youtu.be/-cFtUsY16O0 |

PHYSICS

| S.NO. | Topic | Youtube Link |
|-------|---|---|
| 1 | Electric Charges; charging a conductor, basic properties of charges | https://youtu.be/k3-4X8aqY_w |
| 2 | Coulomb's law-force between twopoint charges | https://youtu.be/3wvf9sdgPzg |
| 3 | forces between multiple charges; superposition principle | https://www.youtube.com/watch?v=DEkZQifM5O8&t=729s |
| 4 | Electric field, electric field due to a point charge | https://youtu.be/9lnidenNq8Y |
| 5 | Electricdipole, electric field due to a dipole | https://youtu.be/fw3juL8oiME |
| 6 | electric field lines, torque on a dipole in uniform electric field | https://youtu.be/GoU3Uoeav_E |

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| 7 | continuous charge distribution, Electric flux, statement of Gauss's theorem and its applications to find field due to infinitely long straight wire, uniformly charged infinite plane sheet and uniformly charged thin spherical shell (field inside and outside) | https://www.youtube.com/watch?v=2pkUXfqEU2s&t=734s |
| 8 | problems relating electric field and flux | https://youtu.be/QJ28m8sf0x0 |
| 9 | Electric potential, potential difference, electric potential due to a point charge | https://youtu.be/fzuQ4U-bHlw |
| 10 | a dipole and system of charges | https://youtu.be/7Wxaieb8lHw |
| 11 | equipotential surfaces, electrical potential energy of a system of two point charges and of electric dipole in an electrostatic field. | https://youtu.be/KZEob96veVo |
| 12 | Conductors and insulators, free charges and bound charges inside a conductor. Dielectrics and electric polarisation, | https://youtu.be/6JZDFFBgObM |
| 13 | capacitors and capacitance, combination of capacitors in series and in parallel, | https://youtu.be/Wf2GHIRa7yg |
| 14 | Capacitance of a parallel plate capacitor with and without dielectric medium between the plates, energy stored in a capacitor | https://www.youtube.com/watch?v=HMf4YJX5z04 |
| 15 | Electric current, flow of electric charges in a metallic conductor, drift velocity, | https://www.youtube.com/watch?v=rLOThBeJnu8&feature=youtu.be |
| 16 | mobility and their relation with electric current | https://youtu.be/Ltn26eBNNUc |
| 17 | Ohm's law, electrical resistance, V-I characteristics (linear and non-linear), electrical energy and power, electrical resistivity and conductivity | https://youtu.be/fR-JnS_ZQh4 |
| 18 | Carbon resistors, colour code for carbon resistors; series and parallel combinations of resistors; temperature dependence of resistance. | https://youtu.be/402-FERTjR4 |
| 19 | Internal resistance of a cell, potential difference and emf of a cell, combination of cells in series and in parallel | https://youtu.be/jq8sGI98WsE |
| 20 | Kirchhoff's laws and simple applications, Wheatstone bridge, | https://youtu.be/NfTOChVBRaQ |

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| 21 | Metre bridge. | https://youtu.be/A65nUf3tKaM |
| 22 | Potentiometer - principle and its applications to measure potential difference and for comparing EMF of two cells; | https://www.youtube.com/watch?v=Xs0hlo2suLM |
| 23 | Measurement of internal resistance of a cell. | https://www.youtube.com/watch?v=bEelU02oC3U |

CHEMISTRY

| S.NO. | Topic | Youtube Link |
|-------|---|--|
| S.No | TOPIC | YOU TUBE LINK |
| 1 | Crystalline and Amorphous solids | https://www.youtube.com/watch?v=pi4RsULYbpI&list=LLMIIT3BM8f2jJaMErIVTQJA&index=6&t=10s |
| 2 | Types of crystalline Solids | https://www.youtube.com/watch?v=ab3KmPmqfDU&t=376s |
| 3 | Crystal lattice and Types of unit cells | https://www.youtube.com/watch?v=Z78MeAIBHc0&list=LLMIIT3BM8f2jJaMErIVTQJA&index=15 |
| 4 | 7 Crystal systems and Bravais lattice | https://www.youtube.com/watch?v=tYD24m0K7wl&list=LLMIIT3BM8f2jJaMErIVTQJA&index=14 |
| 5 | Relation between Edge length and Radius | https://www.youtube.com/watch?v=5suRHbX-AdM&list=LLMIIT3BM8f2jJaMErIVTQJA&index=11 |
| 6 | Packing of solids in two and three dimensions | https://www.youtube.com/watch?v=TQdOux8lfl&list=LLMIIT3BM8f2jJaMErIVTQJA&index=13 |
| 7 | Description of voids | https://www.youtube.com/watch?v=7WFRmjvujvQ&list=LLMIIT3BM8f2jJaMErIVTQJA&index=4 |
| 8 | Calculation of Density involving unit cell Dimensions | https://youtu.be/qZnqdmqMHNQ |
| 9 | Imperfections in Solids | https://youtu.be/KFpYHC-byAo |
| 10 | Electrical Properties of solids | https://www.youtube.com/watch?v=la44mXocc0A&list=LLMIIT3BM8f2jJaMErIVTQJA&index=9&t=49s |
| 11 | Magnetic properties of solids | https://www.youtube.com/watch?v=e90jFs9rwlg&list=LLMIIT3BM8f2jJaMErIVTQJA&index=8&t=554s |
| 1 | Types of Solutions Methods of Expressing concentrations | https://youtu.be/09d_X_3brEE |
| 2 | Solubility of gases and solids in liquids | https://youtu.be/ld561FF7tWo |
| 3 | Vapour pressure of liquid solutions and Raoult's law | https://youtu.be/sm0o3iHQDM0 |
| 4 | Ideal and non ideal solutions and deviations from ideal behaviour | https://youtu.be/yDKcXY-caCY |
| 5 | Colligative Properties | https://youtu.be/d4UqaYQRKY0 https://youtu.be/YDdDFleUYro https://youtu.be/Tk6_GCTKXQE https://youtu.be/bxyp8COjydQ |

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| 6 | Abnormal Molar mass | https://www.youtube.com/watch?v=ppUOvAIHEQg&t=8s |
| 1 | Electrochemistry Redox Reactions, EMF of a Cell and Standard Electrode Potential | https://youtu.be/frzH1s4eLVY |
| 2 | Nernst Equation and its Application to Chemical Cells, Relation between Gibbs Energy Change and EMF of a Cell | https://youtu.be/JlytVmrjF5A |
| 3 | Conductance of Electrolytic solutions | https://youtu.be/ijpFJSDmldc |
| 4 | Variation of Electrolytic conductance with dilution | https://www.youtube.com/watch?v=-JiOPgGGJQM&authuser=0 |
| 5 | Electrolytic cells and electrolysis | https://www.youtube.com/watch?v=PvZcrtsRty0&authuser=0 |
| 6 | Batteries and corrosion | https://www.youtube.com/watch?v=AmQ4NqGwTNO |

BIOLOGY

| S.NO. | Topic | Youtube Link |
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| 1 | Reproduction in Organisms | https://www.youtube.com/user/payalguptabio |
| 2 | Sexual Reproduction in flowering Plant | https://www.youtube.com/channel/UCPN8EJNo3OW5ZPczLy8oAhg?view_as=subscriber |
| 3 | human Reproduction | https://www.youtube.com/channel/UCH7tyGsWsAHcMe7DPPhjr7tw?view_as=subscriber |
| 4 | Reproductive Health | https://www.youtube.com/playlist?list=PLpcWEASWt4_sOihByvLbdAHec7zzEOFx |

COMPUTER SCIENCE

| S.NO. | Topic | Youtube Link |
|-------|----------------------|---|
| 1 | PYTHON REVISION TOUR | https://www.youtube.com/watch?v=TVuM8ASDJo&feature=youtu.be |
| 2 | | https://www.youtube.com/watch?v=qdonthnOG024&feature=youtu.be |
| 3 | | https://www.youtube.com/watch?v=xhb3YBEodwc&feature=youtu.be |
| 4 | | https://www.youtube.com/watch?v=uSHaZB1RXwk&feature=youtu.be |
| 5 | | https://www.youtube.com/watch?v=Cje_U3oeM-0&feature=youtu.be |
| 6 | PYTHON LIBRARIES | https://www.youtube.com/watch?v=qYYx3zsx67o&feature=youtu.be |
| 7 | DATA FILE HANDLING | https://www.youtube.com/watch?v=SgCgpCE7fTQ&feature=youtu.be |
| 8 | PYTHON FUNCTIONS | https://www.youtube.com/watch?v=n0dLb3e2E_4&feature=youtu.be |
| 9 | RECURION | https://www.youtube.com/watch?v=zDbXeL4rD8c&feature=youtu.be |

Class XII , Commerce

INFORMATIC PRACTICES

| S.NO. | Topic | Youtube Link |
|-------|--|---|
| 1 | Python Pandas Part-III II Descriptive Statistics with Pandas | https://www.youtube.com/watch?v=3cUGByDiSkg&feature=youtu.be |
| 2 | DATA FRAMES | https://drive.google.com/drive/folders/15wKHBs3rthBnO3KKnSGQMEj0md6KJyiU?usp=sharing |
| 3 | PANDAS | https://drive.google.com/drive/folders/1oni5oetFcxFgiKBEUmTbjBYjj2Mo3sys?usp=sharing |

ACCOUNTANCY

| S.NO. | Topic | Youtube Link |
|-------|---|---|
| 1 | Concept of NPO-Meaning and features,Difference in Receipt and Payment and Income & Expenditure | https://youtu.be/pTf4OQmexNA |
| | Fund Based Accounting | https://youtu.be/KvXuGNPauLQ |
| | Concept of Subscription | https://drive.google.com/file/d/10AcSJqYloOuPlFuiLQNw6Qd9FSIwf-N/view |
| | Preparation of Income & Expenditure-A/C and Balance sheet-with additional Information | https://youtu.be/hU_hh976nMU |
| 2 | Meaning ,Features of partnership,firms,Partnership deed,Provision affecting accounting treatment in absence of Partnership Deed | https://www.youtube.com/watch?v=-4jPApc8BQc |
| | Concept of Interest on loan,Interest on drawing,Interest on Capital | https://youtu.be/OGaffloVJF0 |
| | Profit &loss App. A/C and partner's capital A/C(fixed and fluctuating capital) | https://youtu.be/LTZQZ1nC7no https://youtu.be/PfZf26u39X4 |
| | Past adjustment and guarantee of Profit | https://youtu.be/zDoVyW0wiUI |
| 3 | Introduction of Goodwill,Need of valuation of Goodwill and methods of valuation of Goodwill | https://youtu.be/JvcIKA7a9wU |
| 4 | Concept of change in profit sharing ratio-gaining ratio,sacrificing ratio | https://youtu.be/eHy6ZpZFqrc |
| | Adjustment at the time of change in profit sharing ratio | |
| | 1. Revaluation of assets and liabilities | https://youtu.be/BeZfywzvfkw |
| | 2.Adjustment of reserves and accumulated profits | |
| | 3.Adjustment of goodwill | |
| | Adjustment of capital in case of change in PSR | https://www.youtube.com/watch?v=YOC8SXWzKZY&t=484s |

ECONOMICS

| S.NO. | Topic | Youtube Link |
|-------|-------------------------|---|
| 1 | | https://youtu.be/zulcA-C4Rtg |
| 2 | Govt Budget | https://youtu.be/5AI0crWhMJo |
| 3 | | https://youtu.be/zJCZ6Pt1Q1M |
| 4 | Govt Budget and Economy | https://youtu.be/wUzCRyrNWfU |

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| 5 | National Income Calculations | https://www.youtube.com/watch?v=v0vVcN0L19k |
| 6 | | https://www.youtube.com/watch?v=f2OTaBqe4vA |
| 7 | | https://www.youtube.com/watch?v=eFZFwm_E9uw&t=68s |
| 8 | National Income Calculations | https://youtu.be/0HUA3IUbzy0 |
| 9 | | https://youtu.be/rUbq9MLZTmQ |
| 10 | | https://youtu.be/eMBay8cZDQI |
| 11 | Related Aggregates | https://youtu.be/tu-rEFSrszY |
| 12 | Product Method | https://youtu.be/VWywLf0hlqw |
| 13 | Numerical of | https://youtu.be/TDW2zB4bo-g |
| 14 | National Income | https://youtu.be/TDW2zB4bo-g |
| 15 | Expenditure Method | https://youtu.be/Zq2FDJbr1Pc |
| 16 | Circular Flow of income | https://youtu.be/S8o5Oq2CWCE |
| 17 | Income Methods | https://youtu.be/xa9cny-j3Rw |
| 18 | Nominal GDP and Real GDP | https://youtu.be/WMxdOe65Q9E |
| 19 | Domestic Territory and Resident | https://youtu.be/wcj_RpFmEPs |

English

| S.NO. | Topic | Youtube Link |
|-------|--|---|
| 1 | CLASS XII ENGLISH CHAPTER 1 (FROM BOOK VISTA) | https://www.youtube.com/watch?v=TYm6J_bVkg&feature=youtu.be |
| 2 | Class XII English chapter 2 THE TIGER KING | https://www.youtube.com/watch?v=hI_X7wwcAD4&feature=youtu.be |
| 3 | CHAPTER 2 "LOST SPRING" by ANEES JUNG | https://www.youtube.com/watch?v=YElCtDxdLck&feature=youtu.be |
| 4 | CLASS XII ENGLISH CHAPTER 2 (FLAMINGO) | https://www.youtube.com/watch?v=zp3QuIG_jQg&feature=youtu.be |
| 5 | CLASS XII ENGLISH CHAPTER 3 (from book Vista) | https://www.youtube.com/watch?v=Qltw1wrcbE0&feature=youtu.be |
| 6 | The Last Lesson | https://www.youtube.com/watch?v=Yr8sxV3KUcM&feature=youtu.be |
| 7 | CLASS XII CHAPTER 3 FROM BOOK FLAMINGO | https://www.youtube.com/watch?v=mX37gBaWJeA&feature=youtu.be |

HISTORY

| S.NO. | Topic | Youtube Link |
|-------|--------------------------|---|
| 1 | Nationalism in Europe | https://youtu.be/cjXTKc51Hqg |
| 2 | Nationalism in Europe | https://youtu.be/N2vgaeEzgFQ |
| 3 | Nationalism in Europe | https://youtu.be/bVgMJpvYCMA |
| 4 | Nationalism in Europe | https://youtu.be/fHGN4baBfXo |
| 5 | Nationalism in Europe | https://youtu.be/zsqC2t2J4lw |
| 6 | Resource and Development | https://youtu.be/f-XDMI26oBQ |
| 7 | Devwlopment | https://youtu.be/16yXDNPJq_Q |

GEOGRAPHY

| S.NO. | Topic | Youtube Link |
|-------|--|---|
| 1 | human geography nature and scope | https://www.youtube.com/watch?v=0Qx2f-K6dws&feature=youtu.be |
| 2 | Human Geography: Ch.1 Nature &Scope (session-1) | https://www.youtube.com/watch?v=KEciujJtkA4&feature=youtu.be |
| 3 | Human Geography: Ch.1Nature and scope (session-2) | https://www.youtube.com/watch?v=KNKN_ap-Rkw&feature=youtu.be |
| 4 | WORLD POPULATION - Distribution ,Density , Growth Ch 2, Book 1 | https://www.youtube.com/watch?v=lRFaTDfHPnA&feature=youtu.be |

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| 5 | Density of population | https://www.youtube.com/watch?v=jG_ENvo-Gbo&feature=youtu.be |
| 6 | Human Geography: Ch.2 The World Population:(Session-1) | https://www.youtube.com/watch?v=uq0iHyfsdE8&feature=youtu.be |