

DAV INTERNATIONAL SCHOOL, AMRITSAR.

CLASS – XII

SECOND TERM SYLLABUS

(2017-18)

ENGLISH

Section – A	Comprehension Passages; Note-Making
Section – B	Notice; Advertisements; Invitations; Reply to Invitations; Job Application, Letter to Editor; Speech, Article, Letter to School Authorities; Report, Debate, Business Letters; Poster Making
Section – C	(Flamingo) Deep Water; The Rattrap; Lost Spring; An Elementary School Classroom in a Slum; A thing of Beauty (Vistas) Going Places; The Enemy, On the Face of it (Novel) Lessons 1 – 14

BIOLOGY

Unit – VI Reproduction	1. Sexual reproduction in flowering plants 2. Human Reproduction
Unit – VII Genetics & Evolution	3. Principles of Inheritance & Variation 4. Molecular basis of Inheritance 5. Evolution
Unit – VIII Biology in Human Welfare	6. Human health and Diseases 7. Strategies for enhancement in food production 8. Microbes in Human Welfare
Unit – IX Biotechnology	9. Biotechnology: Principles & Processes 10. Biotechnology and its applications

CHEMISTRY

Solid States	Solutions	Polymer
Electrochemistry	Extraction of metals	Everyday Chemistry
Haloalkanes & Haloare	Biomolecules	Alcohol, Phenol & Ethers
Group 15, 16	Surface Chemistry	

PHYSICS

Magnetic Effects of Electric current	Magnetism	Electromagnetic Induction & Alternating Current
E:M. Waves	Optics	Dual nature of matter
Electrostatics	Current Electricity	

INFORMATICS PRACTICES

Ch – 3 (GUI Programming – A Review)	Ch – 7 (Web Applications)
Ch – 8 (MYSQL Revision Tour)	Ch – 9 (More on Database and SQL)
Ch – 10 (Advanced RDBMS concepts)	Ch – 11 (IT Applications)

MATHEMATICS

1. Matrices	2. Determinants	3. L.P.P.
4. Probability	5. Vector	6. 3-D Geometry
7. Inverse Trigonometric functions	8. Continuity and Differentiability	9. Applications of derivatives
10. Integrals		

ECONOMICS

Introduction	Consumer equilibrium and demand	Producer equilibrium and supply
Market and price determination	National Income	Money and Banking
Government Budget		

HUMAN RIGHTS & GENDER STUDIES

Equality of opportunity	Gender Mainstreaming
Gender and Development	Human rights conventions

ACCOUNTANCY

Fundamentals of Partnership	Goodwill & its valuation	Change in profit & sharing ratio
Admission of Partner	Retirement and death of partner	Dissolution of partnership firm
Accounting for share Capital	Issue of Debenture	Redemption of Debentures

PHYSICAL EDUCATION

Unit – 4	Physical Education & Sports for Differently abled
Unit – 5	Children & Sports
Unit – 6	Women and Sports
Unit – 7	Test and Measurement in Sports
Unit – 8	Physiology & Sports

MUSIC (VOCAL)

परिभाषाएं: खटका, मुर्कि, गमक, ग्राम
 रागों का वर्गीकरण
 संगीत रत्नाकर
 राग परिचय - भीमप्लासी, बागेश्वरी (अलाप एवं तान)
 किसी छोटे खयाल की स्वरलिपि
 ताल - धमार, तिलवाड़ा
 उस्ताद फैयाज़ खाँ जी की जीवनी

GEOSPATIAL TECHNOLOGY

- ✓ Remote sensing R.S. (25 Marks)
- ✓ Geographic Information System (25 Marks)
- ✓ Global Positioning System (10 Marks)

PSYCHOLOGY

Ch – 3 (Meeting Life Challenges)	Ch – 4 (Psychological Disorders)	Ch -5 (Therapeutic Approaches)
Ch – 6 (Attitude and Social Cognition)	Ch – 8 (Psychology and life)	Ch – 9 (Developing Psychology Skills)

BUSINESS STUDIES

Ch – 1 (Nature & Significance of Management)	Ch – 2 (Principles of Management)
Ch – 3 (Business Management)	Ch – 4 (Planning)
Ch – 5 (Organising)	Ch – 6 (Staffing)
Ch – 7 (Directing)	Ch – 8 (Controlling)
Ch – 11 (Marketing Management)	Ch – 12 (Consumer Protection Act)

PAINTING

The Mughal School	The Deccan School
The Indian National Flag and Bengal School	
(a) (i) Evolution of the Indian National Flag (1906, 1921, 1947) (ii) Symbolic significance of its forms and the colours	
(b) (1) Introduction to the Bengal School of Painting (i) Origin and development of the Bengal School of Painting (ii) Main features of the Bengal School of Painting (2) Contribution of Indian Artists in the struggle for National Freedom Movement (i) Painting - Tiller of the soil – Nandlal Bose	

POLITICAL SCIENCE

Cold War Era	The End of Bipolarity	US Hegemony in World Politics
Alternative Centres of Power	Contemporary South Asia	International Org.
Security in Contemporary World	Environment & Natural Resources	Globalisation
Part – B		
Challenges of nation-building	Era of one party dominance	

PUNJABI

ਕਵੀ: ਅੰਮ੍ਰਿਤਾ ਪ੍ਰੀਤਮ, ਸ਼ਿਵ ਕੁਮਾਰ, ਪ੍ਰੋ. ਮੋਹਨ ਸਿੰਘ, ਸੁਰਜੀਤ ਪਾਤਰ, ਡਾ. ਹਰਿਭਜਨ ਸਿੰਘ

ਕਹਾਣੀਆਂ: ਤਿਲਤੋਲੀ, ਆਪਣਾ-ਆਪਣਾ ਹਿੱਸਾ, ਮਾਂ ਦਾ ਲਾਡਲਾ, ਵਹਿੰਗੀ, ਤੀਜੀ ਗੱਲ

ਨਾਵਲ: ਗੁਆਚਿਆ ਮੁੰਡਾ ਦਾ ਪਾਤਰ ਚਿਤਰਨ

ਵਿਆਕਰਨ: ਲੇਖ (ਸਮਾਜਕ ਤੇ ਸੱਭਿਆਚਾਰਕ), ਦਫ਼ਤਰੀ ਪੱਤਰ, ਈ-ਮੇਲ, ਵਾਕ ਤੇ ਸ਼ਬਦ ਸ਼ੁੱਧੀ, ਵਿਸਰਾਮ ਚਿੰਨ੍ਹ, ਅਣਭਿੰਨਾ ਪੈਰਾ ਅਤੇ ਮਹਾਵਰੇ (ਗ, ਘ, ਚ)

Date Sheet for 2nd Term Examination Class XII (Session 2017-18)

Date	Day	Science	Commerce	Humanities
03/10/2017	Tuesday	Bio/Maths	Accountancy	Psychology/Punjabi
06/10/2017	Friday	Physics	Economics	Eco/Political Science/Geo Tech
09/10/2017	Monday	Chemistry	Business Studies	Business Studies/H. & G.S./Phy.Edu
11/10/2017	Wednesday	Music/Painting/Phy.Edu/I.P./Geo Tech.	Music/Painting/Phy.Edu/I.P	Music/Painting/Phy.Edu/I.P.
13/10/2017	Friday	English	English	English
16/10/2017	Tuesday	Regular Class	Maths (Optional) XII C Regular Class XII C (for Non-Maths students), XII D, E	Maths (Optional) Regular Class for Non-Maths students

Note:

- Regular classes will be commencing from 16th October, 2017 for all students except Maths Optional students.
- Distribution of Answer Sheets on 24th October, 2017
- P.T. Meet will be on 28th October, 2017.

DAV INTERNATIONAL SCHOOL, AMRITSAR.

CLASS – XI

SECOND TERM SYLLABUS

(2017-18)

ENGLISH

Section – A	Comprehension Passages; Note-Making
Section – B	Notice; Advertisements; Poster Making; Job Application, Letter to Editor; Speech, Article, Letter to School Authorities; Business/ Official Letters, Report Writing
Section – C	Integrated Grammar
Section – D	(Hornbill) We're not afraid to die; The Ailing Planet; Discovery Tut; Voice of the Rain; Father to Son (Snapshots) The Address, Ranga's Marriage, The Browning Version (Novel) Lessons 1 – 4

MATHEMATICS

1. Sets	2. Relations and functions	3. Trigonometric functions
4. Principle of Mathematical Induction	5. Complex Number & Quadratic equations	6. Linear Inequalities
7. Permutations and combinations	8. Binomial Theorem	9. Sequences and series
10. Straight Lines		

CHEMISTRY

Some basic concepts of chemistry	Structure of Atom	Classification of elements & periodicity in properties
Hydrogen	Chemical Bonding	S-Block Elements
Some basic concepts of organic chemistry	Hydrocarbon	P-Block Elements

Music Hind.

परिभाषाएं: नाद, श्रुति, स्वर, राग, स्वरमालिका
 राग परिचय (अलाप एवं तान के साथ) (क) वृन्दावनी सारंग (ख) बिहाग
 किसी एक द्रुत खयाल की स्वरलिपि (अलाप और तान के संग)
 तालें - (क) मूलताल (ख) एकताल
 जीवनी: विष्णु नारायण भातखंडे
 ध्रुपद गायकी पर चर्चा

POLITICAL SCIENCE

Indian Constitution at Work (Part A)	Constitution	Rights in the Indian Constitution
Election & Representative	The Executive	The Legislative
The Judiciary		
Part – B		
Political Theory	Freedom	Equality
Social Justice	Rights	Citizenship

PHYSICS

Physical word and measurement	Kinematics	Laws of motion
Work, energy & power	Motion of system of particles and rigid body	Gravitation

ACCOUNTANCY

Introduction to Accounting	Basic Accounting Terms	Theory Base of Accounting
Bases of Accounting	Accounting Equation	Accounting procedures – Rules of Debit and credit
Origin of transactions	Journal	Ledger
Cash Book	Subsidiary Books	Bank Reconciliation Statement
Trial Balance	Depreciation	Provisions & Reserves
Accounting for Bills of exchange	Rectification of errors	Financial statements (without Adjustments)

ECONOMICS

Part – A		
Introduction to Statistics	Collection of Data	Organization of Data
Presentation of Data	Measures of Central Tendency – Mean, Median & Mode	Measures of Dispersion
Part – B		
Indian Economy on the eve of independence	Indian economy 1950 – 1990	New Economic Reforms 1991
Poverty	Rural Development	Human Capital Formation

INFORMATICS PRACTICES

Ch – 4 (Getting started with IDE Programming)	Ch – 5 (Programming fundamentals)
Ch – 7 (Programming Guidelines)	Ch – 8 (Introduction to MYSQL)
Ch – 9 (MYSQL)	Ch – 10 (Functions in MYSQL)

PHYSICAL EDUCATION

Unit – 4	Physical Education & Sports for Differently abled
Unit – 5	Yoga
Unit – 6	Physical Activity and Leadership Training
Unit – 7	Test, Measurement and Sports
Unit – 8	Fundamentals of Anatomy Physiology

BIOLOGY

Unit – I Diversity in Living World – 10 Marks	1. The living world 2. Biological classification 3. Plant kingdom 4. Animal kingdom
Unit – II Structural organizations in plants & animals – 15 Marks	1. Morphology of lowering plants 2. Anatomy of flowering plants 3. Structural organization in animals
Unit – III Cell Structure and function – 15 Marks	1. Cell - the unit of life 2. Biomolecules 3. Cell cycle and cell division
Unit – IV Plant Physiology – 20 Marks	1. Transport in plants 2. Mineral nutrition 3. Photosynthesis in higher plants
Unit – 5 Human Physiology - 10 Marks	1. Digestion and absorption 2. Of gases

PAINTING

General Introduction of Art during Mauryan, Shunga, Kushana and Gupta Period	Art of Ajanta
Temple Sculpture (a) Artistic aspects of Indian Temple Sculpture (i) Introduction to temple sculpture (ii) Study of following temple sculpture – Descent of Ganga; Trimurti; Lakshmi Narayan Temple; Mother and Child	

BUSINESS STUDIES

Nature and purpose of Business	Forms of Business organization
Public, Private and Global Enterprise	Business Services
Emerging Modes of Business	Social Responsibility of Business and business Ethics
Sources of Business Finance	

PSYCHOLOGY

Ch - 2 (Methods of psychological enquiry)	Ch - 3 (The basis of human behavior)	Ch - 4 (Human Development)
Ch - 5 (Sensory, Attentional and Perceptual Processes)	Ch - 6 (Learning)	Ch - 9 (Motivation and Emotion)

PUNJABI

ਕਵੀ: ਚਰਨ ਸਿੰਘ ਸ਼ਹੀਦ, ਪ੍ਰੋ. ਮੋਹਨ ਸਿੰਘ, ਪ੍ਰੀਤਮ ਸਿੰਘ ਕਾਸਦ, ਬਚਨ ਬੇਦਿਲ, ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ
ਦਾਰਤਕ: ਭੇਡ-ਚਾਲ, ਹੱਸਣਾ ਤੇ ਕ੍ਰੋਠਾ, ਵਹਿਮ ਤੇ ਵਹਿਮੀ, ਹੁਕਮਨਾਮਾ, ਨੈਸ਼ਨਲ ਸਟੇਡੀਅਮ ਦੀਆਂ ਯਾਦਾਂ
ਨਾਟਕ: ਪਾਤਰ ਚਿਤਰਨ
ਦਿਆਕਰਨ: ਲੇਖ (ਸਮਾਜਕ ਵਿਸ਼ੇ), ਦਫ਼ਤਰੀ ਪੱਤਰ, ਰਸ-ਸਿੰਗਾਰ ਰਸ, ਹਾਸ ਰਸ, ਕਰੂਣਾ ਰਸ, ਅਲੰਕਾਰ - ਰੂਪਕ, ਅਣਡਿੱਠਾ ਪੈਰਾ, ਸਾਹਿਤ ਦੇ ਰੂਪ (ਨਾਟਕ, ਨਾਵਲ ਅਤੇ ਇਕਾਂਗੀ)

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09/10/2017	Monday	Bio/Maths	Accountancy	Pol.Sc./Punjabi/ Business Studies
11/10/2017	Wednesday	I.P/Phy.Edu./Music/ Painting	I.P/Phy.Edu./Painting/Music	Psychology/Painting
13/10/2017	Friday	English	English	English
16/10/2017	Tuesday	Regular Class	Maths (Optional) of XI D only Regular Class for XI E, F	Regular Class

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