

**Bhavan Vidyalaya, Sector – 15, Panchkula**

**Term –II Syllabus (2021 – 2022)**

**Class – XI**

**ENGLISH**

- Reading Comprehension
- Writing Skills
- Short writing Task- Posters
- Long Writing Tasks
- Official letters e.g., to school/college authorities (regarding admissions, school issues, requirements, suitability of courses)

- Debate

**Grammar**

- Determiners
- Tenses
- Re-ordering of sentences  
(MCQs on Gap filling/ Transformation of sentences)

**Literature**

**(Hornbill)**

- The Voice of the Rain (Poem)
- Childhood (Poem)
- The Ailing Planet
- The Browning Version
- Silk Road

**(Snapshots)**

- Albert Einstein at school
- Mother's Day
- Birth

**MATHEMATICS**

- Chapter 3 – Trigonometric Functions
- Chapter 6 - Linear Inequalities
- Chapter 7 - Permutations and Combinations
- Chapter 11 - Conic Sections
- Chapter 12 - Introduction to 3 D Geometry
- Chapter 13 - Derivatives
- Chapter 16 – Probability

**APPLIED MATHS**

- Unit – 2 - Chapter 4 - Permutations and Combinations
- Unit - 4 - Chapter - Calculus
- Unit – 5 - Chapter - Probability
- Unit – 8 - Chapter - Coordinate Geometry
- (UNIT – 7 – Financial Mathematics)**
- Chapter - Interest and Interest Rates                      Chapter - Annuities
- Chapter - Effective rate of Interest                      Chapter - Taxation
- Chapter - Bills and Surcharge

## **PHYSICS:**

- Chapter–9: Mechanical Properties of Solids
- Chapter–10: Mechanical Properties of Fluids
- Chapter–11: Thermal Properties of Matter
- Chapter–12: Thermodynamics
- Chapter–13: Kinetic Theory
- Chapter–14: Oscillations
- Chapter–15: Waves

## **CHEMISTRY**

- Chapter 5 - States of Matter: Gases and Liquids
- Chapter 6 - Chemical Thermodynamics
- Chapter 7 - Equilibrium
- Chapter 10- s-Block Elements
- Chapter 11 - p -Block Elements
- Chapter 13 - Hydrocarbons

## **BIOLOGY:**

- Chapter-10: Cell Cycle and Cell Division
- Chapter-13: Photosynthesis in Higher Plants
- Chapter-14: Respiration in Plants Exchange of gases
- Chapter-15: Plant - Growth and Development (only growth regulators – Auxin, Gibberellin, Cytokinin, Ethylene, ABA)
- Chapter-17: Breathing and Exchange of Gases
- Chapter-18: Body Fluids and Circulation
- Chapter-19: Excretory Products and their Elimination
- Chapter-20: Locomotion and Movement Skeletal Muscle (only skeleton muscles, contractile protein, muscle contraction)
- Chapter-21: Neural Control and Coordination (only Nervous System in Humans CNS, PNS, VNS, generation and conduction of nerve impulse)
- Chapter-22: Chemical Coordination and Integration

## **ACCOUNTANCY**

- Chapter 2 Basic Accounting Terms
- Chapter 3 Theory Base of Accounting, Accounting Standards and Ind. - AS
- Chapter 6 Rules of Debit and Credit
- Chapter 8 Journal with GST
- Chapter 15 Depreciation
- Chapter 16 Provisions and Reserves
- Chapter 17 Bills of Exchange
- Chapter 18 Rectification of Errors
- Chapter 19 Financial Statements of Sole Proprietor Ship
- Chapter 20 Adjustments in Preparation of Financial Statements
- Chapter 21 Accounts for Incomplete Records

## **ECONOMICS**

### **MICRO**

- Chapter 2 - Consumer Equilibrium
- Chapter 3 - Demand
- Chapter 4 – Elasticity of Demand
- Chapter 5 - Production Function
- Chapter 6 – Cost
- Chapter 7 – Revenue
- Chapter 8 & 9 - Supply
- Chapter 10 - Forms of Market
- Chapter 11 & 12 - Price Determination of its Applications.

### **STATISTICS**

- Chapter 8 - Average (Mean)
- Chapter 9 - Measures of Central Tendency (Median & Mode)
- Chapter 10 – Measures of Dispersion
- Chapter 11 - Correlation
- Chapter 12 - Index Numbers

## **BUSINESS STUDIES**

- Chapter 5 - Emerging Modes of Business
- Chapter 6 - Social Responsibility
- Chapter 7 - Formation of a Company
- Chapter 8 - Sources of Business Finance
- Chapter 9 - Small Business and Enterprise
- Chapter 10 - Internal Trade
- Chapter 11 - International Trade

## **SOCIOLOGY:**

- Book 1 Chapter 4 - Culture and Socialization
- Book 2 Chapter 1 Social Structure, Stratification and Social Processes in Society
- Book 2 Chapter 2. Social Change and Social Order in Rural and Urban Society
- Book 2 Chapter 4. Western Sociologist
- Book 2 Chapter 5. Indian Sociologist

## **PSYCHOLOGY:**

- Chapter – 1. Introduction to Psychology
- Chapter – 3. Bases of Human Behaviour
- Chapter- 4. Human Development
- Chapter –5. Attention & Perception
- Chapter – 6.Learning
- Chapter – 7. Memory

## **HISTORY**

- Theme 7- Changing cultural traditions
- Theme 9- The Industrial Revolution
- Theme 10-Displacing Indigenous people
- Theme 11-Paths to modernisation

## **POLITICAL SCIENCE:**

### **Part- A. Indian Constitution at Work**

Chapter - 4. Executive

Chapter - 5. Legislature

Chapter - 6. Judiciary

### **Part B: Political Theory**

Chapter - 2. Liberty(Freedom)

Chapter - 3. Equality

Chapter - 4. Social Justice

## **LEGAL STUDIES**

Nature and Meaning of Law

Classification of Law

Sources of Law

Law Reform

Classical Hindu Law

Making of Hindu Constitution

Constitution and Impartiality

Civil Court and Criminal Court Structure and Functioning

Family Law

## **PHYSICAL EDUCATION**

UNIT-5. Yoga

UNIT-4. Children with Special Needs

UNIT-8. Fundamentals of Anatomy, Physiology & Kinesiology in sports

UNIT-9. Psychology & Sports

UNIT-10. Training and Doping in Sports

## **PAINTING**

### **Theory (30 marks)**

1. Shadangas, Elements and Principles of Art

2. Indian Temple Sculpture

3. Indian Bronze

4. Indo Islamic Architecture

### **Practical (70 marks)**

1. Still life composition

- Important objects to be composed like Bottles, flower or a fruit and Driftwood with 2 draperies

2, Figure composition

- It can be animal composition or human figure composition (main subjects to be added)
- Flying birds
- Clouds
- Water body
- Flowers
- Plants and trees
- Animal figure
- Human figure
- Anything if you want to add more

## **MUSIC:**

### **Unit -1**

Brief study of the following Thaata, Jati, Laya, Thala, Margi-Desi.

### **Unit - 2**

Brief study of Dhrupad and Tarana.

### **Unit - 3**

Life sketch and contribution of Tansen, V.N. Bhatkhande and V.D. Paluskar.

### **Unit - 4**

Knowledge of the structure of Tanpura

### **Unit – 5**

Critical study and writing in notation the compositions of prescribed Raga along with recognizing the Raga from phrases of Swaras and elaborating it : Bhimpalasi.

Description of Chautala along with Tala-notation in Thah, Dugun and Chaugun.

### **Practical :**

1. One Drut Khayal with simple elaborating and few tanas in the following Raga-Bhimpalasi.
2. One Dhrupad with Dugun in any one of the prescribed Ragas: Bihag, Bhairavi, Bhimpalasi.
3. Rectification of the Theka of Chautala with Thah, Dugun and Chaugun, keeping Tala with hand beats.
4. Ability to recognise the prescribed Ragas from the phrases of Swaras rendered by the Examiner.
5. One Devotional Song.

## **WEB APPLICATIONS (Code 803) :**

### **THEORY (60 Marks)**

#### **PART A - EMPLOYABILITY SKILLS (10 Marks)**

Unit 4: Entrepreneurial Skills-III

Unit 5: Green Skills-III

#### **PART B - SUBJECT SPECIFIC SKILLS (50 Marks)**

Unit 2: Website Development using HTML and CSS

Unit 4: Introduction to Dynamic Websites using JavaScript

### **PRACTICAL (40 Marks)**

#### **PART B**

Unit 2: Website Development using HTML and CSS

Unit 4: Introduction to Dynamic Websites using JavaScript

Viva Voce

Practical File

## **KATHAK DANCE**

1. A brief history of Indian Dance.
2. Acquaintance with the themes of Ramayana, Mahabharata, Bhagvata Purana and Gita Govinda in context of Kathak. Acquaintance with other myths and legends pertinent to the dance drama or gat bhaav like Kalia daman, Govardhan lila, Panghatlila, Draupadi cheer haran, Makhan chori, Marich vadh, Bhasmasur vadh, Madan dahan, etc.
3. A brief history of Kathak dance.

(a) Reference from ancient text (vedic, puranic, epics and other scriptures). evolution of Kathak dance in Pracheen kal/Mandir kal (kathavachak and Rasdhar tradition, etc.) Madhya kal/ Darbarkal, Adhunik kal covering British and post independent era till the presenttime.

4. Acquaintance with its repertoire.

Rang pravesha / invocation, compositions (Bandish) from traditional technical dance part of Kathak. Literary contents - abhinaya, bhajans, thumri, dadra, ghazals, dhrupad, kavita, etc. Rhythmic musical composition like Tarana, Tirvat, Chaturanga, etc.

5. Distinctive aspects of Kathak (using of ghungrus, chakkars, upaj, costume, etc.)

6. Ability to write notation of teental and jhaptaal (thah, dugun, chaugun).

7. Definition and short explanation: Nritya, Nritya, Natya, Tandava, Lasya, Anga, Upanga, Pratyanga.

### **PRACTICAL**

1. Practice of basic standing position and various patterns of Tatkar.

2. Practice of exercise of different parts of the human body particularly anga, pratyanga, upanga.

3. Practice of exercise of ten different movements {hastak} chakkars in teen taal in thah, dugun, chaudganlaya.

4. Prahant of teentaal, jhaptaal with hast kriya in thah, dugun, chaugun.

5. Practice of tatkar set to teental in a slower tempo (thah laya) and in its double (dugun) and four times (chaugun).

6. The student should know the following compositions: (a) Thaata 1

(b) Aamad 2

(c) Fast Aamad (Tez Aamad) 2

(d) Vandana

(e) Tukra/Toda 2

(f) Natwari ka tukra 2

(g) Gatnikaas 1

(h) Gatbhaav 1

(i) Paran 2

(j) Tihaayi 4

(k) Ladi/laya Baant 2

(l) Parhant of tukda / toda with hasta kriya

### **FOOD PRODUCTION**

Unit-5 Kitchen commodities

Unit-6 Storage of kitchen commodities

Unit-7 Techniques of preparation

Unit-8 Method of cooking

Unit-9 Salad

Unit-10 Soup

Unit-11 Egg