



**DARBARI LAL D.A.V. MODEL SCHOOL**  
BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

**CLASS – XI A**  
**SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)**

**ENGLISH**

**SECTION A: READING SKILLS**

- I. One unseen passage to assess comprehension, interpretation inference, analysis and vocabulary. The passage may be factual, descriptive or literary.
- II. One unseen case-based passage with verbal/visual inputs like statistical data, charts etc. Multiple Choice Questions / Objective Type Questions will be asked.
- III. Note Making and Summarization based on an unseen passage.

**SECTION B: GRAMMAR**

- I. Questions on Gap filling (Tenses, Clauses)
- II. Re-ordering of words/ phrases/ sentences
- III. Transformation of sentences

**CREATIVE WRITING SKILLS:**

- I. Posters
- II. Classified Advertisements (All types)
- III. Speech
- IV. Debate

**SECTION C: LITERATURE**

**~Hornbill:**

- The Portrait of a Lady
- “We’re Not Afraid to Die... if We Can All be Together
- Discovering Tut: the Saga Continues
- The Adventure
- Silk Road
  
- A Photograph (Poem)
- The Laburnum Top (Poem)
- The Voice of Rain (Poem)
- Childhood (Poem)
- Father to Son (Poem)

**~Snapshots:**

- The Summer of the Beautiful White Horse
- The Address
- Mother’s Day
- Birth
- The Tale of Melon City

**INTERNAL ASSESSMENT**

- Assessment of Listening Skills – **05 Marks**  
Assessment of Speaking Skills – **05 Marks**  
Project Work – **10 Marks**



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**PHYSICS**

<b>Unit-I</b>	<b>Physical World and Measurement</b>
	Chapter-2: Units and Measurements
<b>Unit-II</b>	<b>Kinematics</b>
	Chapter-3: Motion in a Straight Line
	Chapter-4: Motion in a Plane
<b>Unit-III</b>	<b>Laws of Motion</b>
	Chapter-5: Laws of Motion
<b>Unit-IV</b>	<b>Work, Energy and Power</b>
	Chapter-6: Work, Energy and Power
<b>Unit-V</b>	<b>Motion of System of Particles and Rigid Body</b>
	Chapter-7: System of Particles and Rotational Motion
<b>Unit-VI</b>	<b>Gravitation</b>
	Chapter-8: Gravitation
<b>Unit-VII</b>	<b>Properties of Bulk Matter</b>
	Chapter-9: Mechanical Properties of Solids
	Chapter-10: Mechanical Properties of Fluids
	Chapter-11: Thermal Properties of Matter
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## CHEMISTRY

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- Ch – 2 Structure of Atom
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- Ch – 5 Chemical Thermodynamics
- Ch – 6 Equilibrium
- Ch – 7 Redox Reaction
- Ch – 8 Organic chemistry
- Ch – 9 Hydrocarbons

## MATHEMATICS

- Ch 1 Sets
- Ch 2 Relation and functions
- Ch 3 Trigonometric Functions
- Ch 4 Complex numbers and quadratic equations
- Ch 5 Linear inequations
- Ch 6 Permutations and Combinations
- Ch 7 Binomial Theorem
- Ch 8 Sequence and series
- Ch 9 Straight lines
- Ch 10 Conic sections
- Ch 11 Introduction to Three Dimensional Geometry
- Ch 12 Limits and Derivatives
- Ch 13 Statistics
- Ch 14 Probability

## COMPUTER SCIENCE

### Unit I: Computer Systems and Organisation

- Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory ( bit, byte, KB, MB, GB, TB, PB)
- Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software
- Operating System (OS): functions of the operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits
- Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems
- Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)

### Unit II: Computational Thinking and Programming - I

- Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition



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- Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple “hello world” program, execution modes: interactive mode and script mode, Python character set, Python tokens( keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments
- Knowledge of data types: Number (integer, floating point, complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.
- Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)
- Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.
- Errors- syntax errors, logical errors, and run-time errors
- Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow
- Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.
- Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.
- Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(),rstrip(), strip(), replace(), join(), partition(), split()
- Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.
- Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.
- Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted(); Suggested programs: count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them.
- Introduction to Python modules: Importing module using ‘import ’ and using from statement, importing math module (pi, e, sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()).

### Unit III: Society, Law and Ethics

- Digital Footprints ● Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes
- Data Protection: Intellectual property rights (copyright, patent , trademark), violation of IPR(plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache)



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## CLASS – XI A

### SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

- Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying
- Cyber safety: safely browsing the web, identity protection, confidentiality
- Malware: viruses, trojans, adware
- E-waste management: proper disposal of used electronic gadgets.
- Information Technology Act (IT Act)
- Technology and society: Gender and disability issues while teaching and using computers

#### HINDUSTANI VOCAL MUSIC (ADDITIONAL)

- \* Definitions: Dhrupad, Tarana, khayal, naad, swar, that, jaati, laya.
- \* Detail study of Tanpura and it's parts along with its diagram.
- \* Teentaal
- \* Life sketch of Pt. V.N.Bhatkhande
- \* Raag Parichay: Raag Bihag along with aroh, avroh and pakad

#### PAINTING (ADDITIONAL)

UNIT – I Pre-historic Rock Painting and Art of Indus Valley

UNIT – II Buddhist, Jain and Hindu Art

UNIT – III Temple Sculptures, Bronzes and Artistic Aspects of Indo Islamic architecture

#### ECONOMICS (ADDITIONAL)

##### **Part A: Statistics**

In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behaviour of various economic data

##### **Unit 1: Introduction**

What is Economics?

Meaning, scope, functions and importance of statistics in Economics

##### **Unit 2: Collection, Organisation and Presentation of data**

**Collection of data** - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.

**Organisation of Data:** Meaning and types of variables; Frequency Distribution.

**Presentation of Data:** Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).





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### Unit 3: Statistical Tools and Interpretation

For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.

**Measures of Central Tendency-** Arithmetic mean, Median and Mode

**Correlation** – meaning and properties, scatter diagram; measures of correlation – Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks).

**Introduction to Index Numbers** - meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.

### Part B: Introductory Microeconomics

#### Unit 4: Introduction

Meaning of microeconomics and macroeconomics; positive and normative economics

What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.

#### Unit 5: Consumer's Equilibrium and Demand

Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis.

Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.

Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method.

#### Unit 6: Producer Behaviour and Supply

Meaning of Production Function – Short-Run and Long-Run

Total Product, Average Product and Marginal Product.

Returns to a Factor

Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships.

Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship.

Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue-Marginal Cost.

Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.

#### Unit 7: Perfect Competition - Price Determination and simple applications.

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only)

Simple Applications of Demand and Supply: Price ceiling, Price floor



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**PHYSICAL EDUCATION (ADDITIONAL)**

- UNIT – 1 Changing Trends & Career in Physical Education
- UNIT – 2 Olympic Value Education
- UNIT – 3 Yoga
- UNIT – 4 Physical Education & Sports for CWSN
- UNIT – 5 Physical Fitness, Wellness
- UNIT – 6 Test, Measurements & Evaluation
- UNIT – 7 Fundamentals of Anatomy and Physiology in Sports
- UNIT – 8 Fundamentals of Kinesiology and Biomechanics in Sports
- UNIT – 9 Psychology and Sports
- UNIT – 10 Training & Doping in Sports



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## BIOLOGY

### **Unit I: Diversity in the Living World**

- Chapter 1: The Living World
- Chapter 2: Biological Classification
- Chapter 3: Plant Kingdom
- Chapter 4: Animal Kingdom

### **Unit II: Structural Organisation in Plants and Animals**

- Chapter 5: Morphology of Flowering Plants
- Chapter 6: Anatomy of Flowering Plants
- Chapter 7: Structural Organisation in Animals

### **Unit III: Cell- Structure and Functions**

- Chapter 8: Cell – The Unit of life
- Chapter 9: Biomolecules
- Chapter 10: Cell Cycle and Cell Division

### **Unit IV: Plant Physiology**

- Chapter 11: Photosynthesis in Higher Plants
- Chapter 12: Respiration in Plants
- Chapter 13: Plant Growth and Development



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## SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### Unit V: Human Physiology

Chapter 14: Breathing and Exchange of Gases

Chapter 15: Body Fluids and Circulation

Chapter 16: Excretory products and their Elimination

Chapter 17: Locomotion and Movement

Chapter 18: Neural Control and Coordination

Chapter 19: Chemical Coordination and Integration

### HOME SCIENCE

Chapter – Food, Nutrition, Health and Fitness

Chapter – Management of Resources

Chapter – Fabrics around us

Chapter – Media and Communication Technology

Chapter – Nutrition, Health and Hygiene

Chapter – Resources Availability and Management

Chapter – Survival, Growth and Development

Chapter – Nutrition, Health and Wellbeing

Chapter – Health and Wellness

Chapter – Financial Management and Planning

Chapter – Care and Maintenance of Fabrics

### PSYCHOLOGY

Chapter 1 – What is Psychology

Chapter 2 – Methods of Enquiry in Psychology

Chapter 3 – Human Development

Chapter 4 – Sensory, Attentional and Perceptual Processes

Chapter 5 – Learning

Chapter 6 – Human Memory

Chapter 7 – Thinking

Chapter 8 – Motivation and Emotions

### HINDUSTANI VOCAL MUSIC (ADDITIONAL)

\* Definitions: Dhrupad, Tarana, khayal, naad, swar, that, jaati, laya.

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## HINDI (ADDITIONAL)

### खंड - क अपठित बोध (18 अंक)

1. अपठित गद्यांश (10 अंक)

- बहुविकल्पीय प्रश्न (1X3=3)
- अतिलघूत्तरात्मक प्रश्न (1X1=1)
- लघूत्तरात्मक प्रश्न (2X3=6)

2. अपठित गद्यांश (8 अंक)

- बहुविकल्पीय प्रश्न (1X3=3)
- अतिलघूत्तरात्मक प्रश्न (1X1=1)
- लघूत्तरात्मक प्रश्न (2X2=4)

### खंड - ख (अभिव्यक्ति और माध्यम पाठ्यपुस्तक के आधार पर) (22 अंक)

पाठ संख्या - 1, 2, 9, 10, 14, 15 और 16 पर आधारित

पाठ 1 – जनसंचार माध्यम

पाठ 2 – पत्रकारिता के विविध आयाम

पाठ 9 – डायरी लिखने की कला

पाठ 10 – कथा-पटकथा

पाठ 14 – कार्यालयी लेखन और प्रक्रिया

पाठ 15 – स्ववृत्त (बायोडेटा) लेखन और रोजगार संबंधी आवेदन पत्र

पाठ 16 – कोश-एक परिचय

3. दिए गए 03 अप्रत्याशित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में रचनात्मक लेखन

(6X1=6)

(6 अंक)

4. औपचारिक पत्र लेखन (विकल्प सहित) (5X1=5)

(5 अंक)

5. पाठ संख्या - 1, 2, 9, 10, 14, 15 और 16 पर आधारित

(11 अंक)

- 4 प्रश्न (विकल्प सहित) (2X4=8) (लगभग 40 शब्दों में)

- 1 प्रश्न (विकल्प सहित) (3X1=3) (लगभग 60 शब्दों में)

### खंड-ग (आरोह भाग-1 और वितान भाग-1 पाठ्य पुस्तकों के आधार पर)

(40 अंक)

❖ आरोह भाग-1

➤ गद्य खंड

- पाठ 1 - नमक का दरोगा (प्रेमचंद)



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- पाठ 2 - मियाँ नसीरुद्दीन (कृष्णा सोबती)
- पाठ 3 - अपू के साथ ढाई साल (सत्यजित राय)
- पाठ 4 - विदाई-संभाषण (बालमुकुन्द गुप्त)
- पाठ 5 - गलता लोहा (शेखर जोशी)
- पाठ 6 - रजनी (मन्नु भंडारी)
- पाठ 7 - जामुन का पेड़ (कृश्नचंद्र)
- पाठ 8 - भारत माता (जवाहर लाल नेहरू)

#### ➤ काव्य खंड

- पाठ 1 - हम तो एक एक करि जानां (कबीर)
- पाठ 2 - मेरे तो गिरधर गोपाल, दूसरो न कोई (मीरा)
- पाठ 3 - घर की याद (भवानी प्रसाद मिश्र)
- पाठ 4 - चंपा काले-काले अच्छर नहीं चीन्हती (त्रिलोचन)
- पाठ 5 - गज़ल (दुष्यंत कुमार)
- पाठ 6 - 1. हे भूख! मत मचल  
2. हे मेरे जूही के फूल जैसे ईश्वर (अक्कमहादेवी)
- पाठ 7 - सबसे खतरनाक (अवतार सिंह पाश)
- पाठ 8 - आओ, मिलकर बचाएँ (निर्मला पुतुल)

#### ❖ वितान भाग-1

- पाठ 1 - भारतीय गायिकाओं में बेजोड़: लता मंगेशकर (कुमार गंधर्व)
- पाठ 2 - राजस्थान की रजत बूँदें (अनुपम मिश्र)
- पाठ 3 - आलो-आँधारि (बेबी हालदार)
- पाठ 4 - भारतीय कलाएँ

6. पठित काव्यांश पर आधारित 5 बहुविकल्पी प्रश्न (1X5) (5 अंक)
7. काव्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3X2) (6 अंक)
8. काव्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2X2) (4 अंक)
9. पठित गद्यांश पर आधारित 5 बहुविकल्पी प्रश्न (1X5) (5 अंक)
10. गद्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3X2) (6 अंक)
11. गद्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2X2) (4 अंक)
12. वितान के पाठों पर आधारित 3 में से 2 प्रश्नों के उत्तर (लगभग 100 शब्दों में) (10 अंक)



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

## CLASS – XI B

### SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

#### COMPUTER SCIENCE (ADDITIONAL)

##### Unit I: Computer Systems and Organisation

- Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory ( bit, byte, KB, MB, GB, TB, PB)
- Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software
- Operating System (OS): functions of the operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits
- Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems
- Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)

##### Unit II: Computational Thinking and Programming - I

- Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition
- Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens( keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments
- Knowledge of data types: Number (integer, floating point, complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.
- Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)
- Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.
- Errors- syntax errors, logical errors, and run-time errors
- Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow
- Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.
- Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.
- Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(),rstrip(), strip(), replace(), join(), partition(), split()
- Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.





# DARBARI LAL D.A.V. MODEL SCHOOL

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## CLASS – XI B

### SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

- Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.
- Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted(); Suggested programs: count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them.
- Introduction to Python modules: Importing module using ‘import ’ and using from statement, importing math module (pi, e, sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()).

#### Unit III: Society, Law and Ethics

- Digital Footprints ● Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes
- Data Protection: Intellectual property rights (copyright, patent , trademark), violation of IPR(plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache)
- Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying
- Cyber safety: safely browsing the web, identity protection, confidentiality
- Malware: viruses, trojans, adware
- E-waste management: proper disposal of used electronic gadgets.
- Information Technology Act (IT Act)
- Technology and society: Gender and disability issues while teaching and using computers

#### PHYSICAL EDUCATION (ADDITIONAL)

UNIT – 1 Changing Trends & Career in Physical Education

UNIT – 2 Olympic Value Education

UNIT – 3 Yoga

UNIT – 4 Physical Education & Sports for CWSN

UNIT – 5 Physical Fitness, Wellness

UNIT – 6 Test, Measurements & Evaluation

UNIT – 7 Fundamentals of Anatomy and Physiology in Sports

UNIT – 8 Fundamentals of Kinesiology and Biomechanics in Sports

UNIT – 9 Psychology and Sports

UNIT – 10 Training & Doping in Sports



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI C

SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

## ENGLISH

### SECTION A: READING SKILLS

- I. One unseen passage to assess comprehension, interpretation inference, analysis and vocabulary. The passage may be factual, descriptive or literary.
- II. One unseen case-based passage with verbal/visual inputs like statistical data, charts etc. Multiple Choice Questions / Objective Type Questions will be asked.
- III. Note Making and Summarization based on an unseen passage.

### SECTION B: GRAMMAR

- I. Questions on Gap filling (Tenses, Clauses)
- II. Re-ordering of words/ phrases/ sentences
- III. Transformation of sentences

### CREATIVE WRITING SKILLS:

- I. Posters
- II. Classified Advertisements (All types)
- III. Speech
- IV. Debate

### SECTION C: LITERATURE

#### ~Hornbill:

- The Portrait of a Lady
- “We’re Not Afraid to Die... if We Can All be Together
- Discovering Tut: the Saga Continues
- The Adventure
- Silk Road
  
- A Photograph (Poem)
- The Laburnum Top (Poem)
- The Voice of Rain (Poem)
- Childhood (Poem)
- Father to Son (Poem)

#### ~Snapshots:

- The Summer of the Beautiful White Horse
- The Address
- Mother’s Day
- Birth
- The Tale of Melon City

### INTERNAL ASSESSMENT

Assessment of Listening Skills – **05 Marks**

Assessment of Speaking Skills – **05 Marks**

Project Work – **10 Marks**



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

## CLASS – XI C SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### BUSINESS STUDIES

1. Business, trade and commerce
2. Forms of business organisation & Formation of a company
3. Private, Public and Global enterprises
4. Business Services
5. Emerging Modes of Business
6. Social responsibilities of Business and Business Ethics
7. Sources of Business Finance
8. Small Business
9. Internal Trade
10. International business

### ECONOMICS

#### **Part A: Statistics**

In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behaviour of various economic data

#### **Unit 1: Introduction**

What is Economics?

Meaning, scope, functions and importance of statistics in Economics

#### **Unit 2: Collection, Organisation and Presentation of data**

**Collection of data** - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.

**Organisation of Data:** Meaning and types of variables; Frequency Distribution.

**Presentation of Data:** Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).

#### **Unit 3: Statistical Tools and Interpretation**

For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.

**Measures of Central Tendency-** Arithmetic mean, Median and Mode

**Correlation** – meaning and properties, scatter diagram; measures of correlation – Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks).

**Introduction to Index Numbers** - meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

## CLASS – XI C SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### Part B: Introductory Microeconomics

#### Unit 4: Introduction

Meaning of microeconomics and macroeconomics; positive and normative economics

What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.

#### Unit 5: Consumer's Equilibrium and Demand

Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis.

Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.

Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method.

#### Unit 6: Producer Behaviour and Supply

Meaning of Production Function – Short-Run and Long-Run

Total Product, Average Product and Marginal Product.

Returns to a Factor

Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships.

Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship.

Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue-Marginal Cost.

Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.

#### Unit 7: Perfect Competition - Price Determination and simple applications.

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only)

Simple Applications of Demand and Supply: Price ceiling, Price floor

### ACCOUNTANCY

1. Introduction to Accounting
2. Basic Accounting Terms
3. Theory Base of Accounting, Accounting Standards and Indian Accounting Standards (Ind-AS)
4. Bases of Accounting
5. Accounting Equation
6. Accounting Procedures-Rules of Debit and Credit
7. Origin of Transactions-Source Documents and Preparation of Vouchers
8. Journal
9. Ledger
10. Special Purpose Books I-Cash Book
11. Special Purpose Books II-Other Books
12. Accounting of Goods and Services Tax (GST)



# DARBARI LAL D.A.V. MODEL SCHOOL

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CLASS – XI C

## SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

13. Bank Reconciliation Statement
14. Trial Balance
15. Depreciation
16. Provisions and Reserves
17. Rectification of Errors
18. Financial Statements of Sole Proprietorship
19. Adjustments in Preparation of Financial Statements
20. Single entry system

**Project Work – 20 Marks**  
(As per CBSE Guidelines)

### MATHEMATICS

- Ch 1 Sets
- Ch 2 Relation and functions
- Ch 3 Trigonometric Functions
- Ch 4 Complex numbers and quadratic equations
- Ch 5 Linear inequations
- Ch 6 Permutations and Combinations
- Ch 7 Binomial Theorem
- Ch 8 Sequence and series
- Ch 9 Straight lines
- Ch 10 Conic sections
- Ch 11 Introduction to Three Dimensional Geometry
- Ch 12 Limits and Derivatives
- Ch 13 Statistics
- Ch 14 Probability

### HINDUSTANI VOCAL MUSIC (ADDITIONAL)

- \* Definitions: Dhrupad, Tarana, khayal, naad, swar, that, jaati, laya.
- \* Detail study of Tanpura and it's parts along with its diagram.
- \* Teentaal
- \* Life sketch of Pt. V.N.Bhatkhande
- \* Raag Parichay: Raag Bihag along with aroh, avroh and pakad

### PAINTING (ADDITIONAL)

- UNIT – I Pre-historic Rock Painting and Art of Indus Valley
- UNIT – II Buddhist, Jain and Hindu Art
- UNIT – III Temple Sculptures, Bronzes and Artistic Aspects of Indo Islamic architecture



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI C

SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

## PHYSICAL EDUCATION (ADDITIONAL)

- UNIT – 1 Changing Trends & Career in Physical Education
- UNIT – 2 Olympic Value Education
- UNIT – 3 Yoga
- UNIT – 4 Physical Education & Sports for CWSN
- UNIT – 5 Physical Fitness, Wellness
- UNIT – 6 Test, Measurements & Evaluation
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- UNIT – 10 Training & Doping in Sports





# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI D

SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

## ENGLISH

### SECTION A: READING SKILLS

- I. One unseen passage to assess comprehension, interpretation inference, analysis and vocabulary. The passage may be factual, descriptive or literary.
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### SECTION B: GRAMMAR

- I. Questions on Gap filling (Tenses, Clauses)
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- The Tale of Melon City

### INTERNAL ASSESSMENT

Assessment of Listening Skills – **05 Marks**

Assessment of Speaking Skills – **05 Marks**

Project Work – **10 Marks**



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

## CLASS – XI D SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### BUSINESS STUDIES

1. Business, trade and commerce
2. Forms of business organisation & Formation of a company
3. Private, Public and Global enterprises
4. Business Services
5. Emerging Modes of Business
6. Social responsibilities of Business and Business Ethics
7. Sources of Business Finance
8. Small Business
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### ECONOMICS

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## CLASS – XI D SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

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Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method.

#### Unit 6: Producer Behaviour and Supply

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Total Product, Average Product and Marginal Product.

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Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship.

Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue-Marginal Cost.

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#### Unit 7: Perfect Competition - Price Determination and simple applications.

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only)

Simple Applications of Demand and Supply: Price ceiling, Price floor

### ACCOUNTANCY

1. Introduction to Accounting
2. Basic Accounting Terms
3. Theory Base of Accounting, Accounting Standards and Indian Accounting Standards (Ind-AS)
4. Bases of Accounting
5. Accounting Equation
6. Accounting Procedures-Rules of Debit and Credit
7. Origin of Transactions-Source Documents and Preparation of Vouchers
8. Journal
9. Ledger
10. Special Purpose Books I-Cash Book
11. Special Purpose Books II-Other Books
12. Accounting of Goods and Services Tax (GST)



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI D

## SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

13. Bank Reconciliation Statement
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19. Adjustments in Preparation of Financial Statements
20. Single entry system

**Project Work – 20 Marks**  
(As per CBSE Guidelines)

### MATHEMATICS

- Ch 1 Sets
- Ch 2 Relation and functions
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- Ch 5 Linear inequations
- Ch 6 Permutations and Combinations
- Ch 7 Binomial Theorem
- Ch 8 Sequence and series
- Ch 9 Straight lines
- Ch 10 Conic sections
- Ch 11 Introduction to Three Dimensional Geometry
- Ch 12 Limits and Derivatives
- Ch 13 Statistics
- Ch 14 Probability

### SOCIOLOGY

- Chap 1 – Sociology and Society
- Chap 2 – Terms, concepts and their use in sociology
- Chap 3 – Understanding Social Institutions
- Chap 4 – Culture and Socialization
- Chap 6 – Social Structure, Stratification and Social Processes in Society
- Chap 7 – Social Change and Social Order in Rural Society
- Chap 9 – Western Sociologists
- Chap 10 – Indian Sociologists

### HINDUSTANI VOCAL MUSIC (ADDITIONAL)

- \* Definitions: Dhrupad, Tarana, khayal, naad, swar, that, jaati, laya.
- \* Detail study of Tanpura and its parts along with its diagram.
- \* Teentaal
- \* Life sketch of Pt. V.N.Bhatkhande
- \* Raag Parichay: Raag Bihag along with aroh, avroh and pakad



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI D

**SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)**

## PAINTING (ADDITIONAL)

UNIT – I Pre-historic Rock Painting and Art of Indus Valley

UNIT – II Buddhist, Jain and Hindu Art

UNIT – III Temple Sculptures, Bronzes and Artistic Aspects of Indo Islamic architecture

## INFORMATICS PRACTICES (Additional)

### **Unit 1:**

Introduction to Computer System Introduction to computer and computing: evolution of computing devices, components of a computer system and their interconnections, Input/output devices. Computer Memory: Units of memory, types of memory – primary and secondary, data deletion, its recovery and related security concerns. Software: purpose and types – system and application software, generic and specific purpose software.

### **Unit 2:**

Introduction to Python Basics of Python programming, execution modes: - interactive and script mode, the structure of a program, indentation, identifiers, keywords, constants, variables, types of operator, precedence of operators, data types, mutable and immutable data types, statements, expression evaluation. comments, input and output statements, data type conversion, debugging. Control Statements: if-else, if-elif-else, while loop, for loop

Lists: list operations - creating, initializing, traversing and manipulating lists, list methods and built-in functions – len(),list(),append(),insert(), count(),index(),remove(), pop(), reverse(), sort(), min(),max(),sum() Dictionary: concept of key-value pair, creating, initializing, traversing, updating and deleting elements, dictionary methods and built-in functions – dict(), len(), keys(), values(), items(), update(), del, clear()

### **Unit 3:**

Database concepts and the Structured Query Language Database Concepts: Introduction to database concepts and its need, Database Management System. Relational data model: Concept of domain, tuple, relation, candidate key, primary key, alternate key Advantages of using Structured Query Language, Data Definition Language, Data Query Language and Data Manipulation Language, Introduction to MySQL, creating a database using MySQL, Data Types Data Definition: CREATE DATABASE, CREATE TABLE, DROP, ALTER Data Query: SELECT, FROM, WHERE with relational operators, BETWEEN, logical operators, IS NULL, IS NOT NULL Data Manipulation: INSERT, DELETE, UPDATE

### **Unit 4:**

Introduction to the Emerging Trends Artificial Intelligence, Machine Learning, Natural Language Processing, Immersive experience (AR, VR), Robotics, Big data and its characteristics, Internet of Things (IoT), Sensors, Smart cities, Cloud Computing and Cloud Services (SaaS, IaaS, PaaS); Grid Computing, Block chain technology.

## PSYCHOLOGY (ADDITIONAL)

Chapter 1 – What is Psychology

Chapter 2 – Methods of Enquiry in Psychology

Chapter 3 – Human Development

Chapter 4 – Sensory, Attentional and Perceptual Processes



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

## CLASS – XI D SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

- Chapter 5 – Learning
- Chapter 6 – Human Memory
- Chapter 7 – Thinking
- Chapter 8 – Motivation and Emotions

### LEGAL STUDIES (ADDITIONAL)

#### **Unit – 1**

- Chapter – 2 Forms and Organs of Government
- Chapter – 3 Separation of Powers

#### **Unit – 2**

- Chapter – 1 Salient Features of The Constitution of India

#### **Unit – 3**

- Chapter – 2 Classification of Laws
- Chapter – 3 Sources of Laws
- Chapter – 4 Law Reforms
- Chapter – 5 Cyber Laws, Safety and Security in India

#### **Unit – 4**

- Chapter – 1 Judiciary: Constitutional, Civil and Criminal Courts & Processes

#### **Unit – 5**

- Chapter – 1 Institutional Framework- Marriage and Divorce
- Chapter – 5 Prevention of Violence against Women

### PHYSICAL EDUCATION (ADDITIONAL)

- UNIT – 1 Changing Trends & Career in Physical Education
- UNIT – 2 Olympic Value Education
- UNIT – 3 Yoga
- UNIT – 4 Physical Education & Sports for CWSN
- UNIT – 5 Physical Fitness, Wellness
- UNIT – 6 Test, Measurements & Evaluation
- UNIT – 7 Fundamentals of Anatomy and Physiology in Sports
- UNIT – 8 Fundamentals of Kinesiology and Biomechanics in Sports
- UNIT – 9 Psychology and Sports
- UNIT – 10 Training & Doping in Sports





# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

## CLASS – XI E SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### ENGLISH

#### SECTION A: READING SKILLS

- I. One unseen passage to assess comprehension, interpretation inference, analysis and vocabulary. The passage may be factual, descriptive or literary.
- II. One unseen case-based passage with verbal/visual inputs like statistical data, charts etc. Multiple Choice Questions / Objective Type Questions will be asked.
- III. Note Making and Summarization based on an unseen passage.

#### SECTION B: GRAMMAR

- I. Questions on Gap filling (Tenses, Clauses)
- II. Re-ordering of words/ phrases/ sentences
- III. Transformation of sentences

#### CREATIVE WRITING SKILLS:

- I. Posters
- II. Classified Advertisements (All types)
- III. Speech
- IV. Debate

#### SECTION C: LITERATURE

##### ~Hornbill:

- The Portrait of a Lady
- “We’re Not Afraid to Die... if We Can All be Together
- Discovering Tut: the Saga Continues
- The Adventure
- Silk Road
  
- A Photograph (Poem)
- The Laburnum Top (Poem)
- The Voice of Rain (Poem)
- Childhood (Poem)
- Father to Son (Poem)

##### ~Snapshots:

- The Summer of the Beautiful White Horse
- The Address
- Mother’s Day
- Birth
- The Tale of Melon City

#### INTERNAL ASSESSMENT

- Assessment of Listening Skills – **05 Marks**  
Assessment of Speaking Skills – **05 Marks**  
Project Work – **10 Marks**



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

## CLASS – XI E SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### BUSINESS STUDIES

1. Business, trade and commerce
2. Forms of business organisation & Formation of a company
3. Private, Public and Global enterprises
4. Business Services
5. Emerging Modes of Business
6. Social responsibilities of Business and Business Ethics
7. Sources of Business Finance
8. Small Business
9. Internal Trade
10. International business

### ECONOMICS

#### **Part A: Statistics**

In this course, the learners are expected to acquire skills in collection, organisation and presentation of quantitative and qualitative information pertaining to various simple economic aspects systematically. It also intends to provide some basic statistical tools to analyse, and interpret any economic information and draw appropriate inferences. In this process, the learners are also expected to understand the behaviour of various economic data

#### **Unit 1: Introduction**

What is Economics?

Meaning, scope, functions and importance of statistics in Economics

#### **Unit 2: Collection, Organisation and Presentation of data**

**Collection of data** - sources of data - primary and secondary; how basic data is collected with concepts of Sampling; methods of collecting data; some important sources of secondary data: Census of India and National Sample Survey Organisation.

**Organisation of Data:** Meaning and types of variables; Frequency Distribution.

**Presentation of Data:** Tabular Presentation and Diagrammatic Presentation of Data: (i) Geometric forms (bar diagrams and pie diagrams), (ii) Frequency diagrams (histogram, polygon and Ogive) and (iii) Arithmetic line graphs (time series graph).

#### **Unit 3: Statistical Tools and Interpretation**

For all the numerical problems and solutions, the appropriate economic interpretation may be attempted. This means, the students need to solve the problems and provide interpretation for the results derived.

**Measures of Central Tendency-** Arithmetic mean, Median and Mode

**Correlation** – meaning and properties, scatter diagram; measures of correlation – Karl Pearson's method (two variables ungrouped data) Spearman's rank correlation (Non-Repeated Ranks and Repeated Ranks).

**Introduction to Index Numbers** - meaning, types - Wholesale Price Index, Consumer Price Index and index of industrial production, uses of index numbers; Inflation and Index Numbers, Simple Aggregative Method.



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## CLASS – XI E SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### Part B: Introductory Microeconomics

#### Unit 4: Introduction

Meaning of microeconomics and macroeconomics; positive and normative economics

What is an economy? Central problems of an economy: what, how and for whom to produce; concepts of Production Possibility Frontier and Opportunity Cost.

#### Unit 5: Consumer's Equilibrium and Demand

Consumer's equilibrium - meaning of Utility, Marginal Utility, Law of Diminishing Marginal Utility, conditions of consumer's equilibrium using marginal utility analysis.

Indifference curve analysis of consumer's equilibrium-the consumer's budget (budget set and budget line), preferences of the consumer (indifference curve, indifference map) and conditions of consumer's equilibrium.

Demand, market demand, determinants of demand, demand schedule, demand curve and its slope, movement along and shifts in the demand curve; price elasticity of demand - factors affecting price elasticity of demand; measurement of price elasticity of demand – percentage-change method and total expenditure method.

#### Unit 6: Producer Behaviour and Supply

Meaning of Production Function – Short-Run and Long-Run

Total Product, Average Product and Marginal Product.

Returns to a Factor

Cost – Short run costs - Total Cost, Total Fixed Cost, Total Variable Cost; Average Cost; Average Fixed Cost, Average Variable Cost and Marginal Cost - meaning and their relationships.

Revenue – Total Revenue, Average Revenue and Marginal Revenue - meaning and their relationship.

Producer's Equilibrium - meaning and its conditions in terms of Marginal Revenue-Marginal Cost.

Supply, market supply, determinants of supply, supply schedule, supply curve and its slope, movements along and shifts in supply curve, price elasticity of supply; measurement of price elasticity of supply - percentage-change method.

#### Unit 7: Perfect Competition - Price Determination and simple applications.

Perfect competition - Features; Determination of market equilibrium and effects of shifts in demand and supply. (Short Run Only)

Simple Applications of Demand and Supply: Price ceiling, Price floor

### ACCOUNTANCY

1. Introduction to Accounting
2. Basic Accounting Terms
3. Theory Base of Accounting, Accounting Standards and Indian Accounting Standards (Ind-AS)
4. Bases of Accounting
5. Accounting Equation
6. Accounting Procedures-Rules of Debit and Credit
7. Origin of Transactions-Source Documents and Preparation of Vouchers
8. Journal
9. Ledger
10. Special Purpose Books I-Cash Book
11. Special Purpose Books II-Other Books
12. Accounting of Goods and Services Tax (GST)



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI E

## SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

13. Bank Reconciliation Statement
14. Trial Balance
15. Depreciation
16. Provisions and Reserves
17. Rectification of Errors
18. Financial Statements of Sole Proprietorship
19. Adjustments in Preparation of Financial Statements
20. Single entry system

**Project Work – 20 Marks**  
(As per CBSE Guidelines)

### LEGAL STUDIES

#### **Unit – 1**

- Chapter – 2 Forms and Organs of Government
- Chapter – 3 Separation of Powers

#### **Unit – 2**

- Chapter – 1 Salient Features of The Constitution of India

#### **Unit – 3**

- Chapter – 2 Classification of Laws
- Chapter – 3 Sources of Laws
- Chapter – 4 Law Reforms
- Chapter – 5 Cyber Laws, Safety and Security in India

#### **Unit – 4**

- Chapter – 1 Judiciary: Constitutional, Civil and Criminal Courts & Processes

#### **Unit – 5**

- Chapter – 1 Institutional Framework- Marriage and Divorce
- Chapter – 5 Prevention of Violence against Women

### HOME SCIENCE

- Chapter – Food, Nutrition, Health and Fitness
- Chapter – Management of Resources
- Chapter – Fabrics around us
- Chapter – Media and Communication Technology
- Chapter – Nutrition, Health and Hygiene
- Chapter – Resources Availability and Management
- Chapter – Survival, Growth and Development
- Chapter – Nutrition, Health and Wellbeing
- Chapter – Health and Wellness
- Chapter – Financial Management and Planning
- Chapter – Care and Maintenance of Fabrics



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**CLASS – XI E**  
**SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)**

**HINDUSTANI VOCAL MUSIC (ADDITIONAL)**

- \* Definitions: Dhrupad, Tarana, khayal, naad, swar, that, jaati, laya.
- \* Detail study of Tanpura and its parts along with its diagram.
- \* Teentaal
- \* Life sketch of Pt. V.N.Bhatkhande
- \* Raag Parichay: Raag Bihag along with aroh, avroh and pakad

**PAINTING (ADDITIONAL)**

- UNIT – I Pre-historic Rock Painting and Art of Indus Valley
- UNIT – II Buddhist, Jain and Hindu Art
- UNIT – III Temple Sculptures, Bronzes and Artistic Aspects of Indo Islamic architecture

**PSYCHOLOGY (ADDITIONAL)**

- Chapter 1 – What is Psychology
- Chapter 2 – Methods of Enquiry in Psychology
- Chapter 3 – Human Development
- Chapter 4 – Sensory, Attentional and Perceptual Processes
- Chapter 5 – Learning
- Chapter 6 – Human Memory
- Chapter 7 – Thinking
- Chapter 8 – Motivation and Emotions

**PHYSICAL EDUCATION (ADDITIONAL)**

- UNIT – 1 Changing Trends & Career in Physical Education
- UNIT – 2 Olympic Value Education
- UNIT – 3 Yoga
- UNIT – 4 Physical Education & Sports for CWSN
- UNIT – 5 Physical Fitness, Wellness
- UNIT – 6 Test, Measurements & Evaluation
- UNIT – 7 Fundamentals of Anatomy and Physiology in Sports
- UNIT – 8 Fundamentals of Kinesiology and Biomechanics in Sports
- UNIT – 9 Psychology and Sports
- UNIT – 10 Training & Doping in Sports



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## CLASS – XI F SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### ENGLISH

#### SECTION A: READING SKILLS

- I. One unseen passage to assess comprehension, interpretation inference, analysis and vocabulary. The passage may be factual, descriptive or literary.
- II. One unseen case-based passage with verbal/visual inputs like statistical data, charts etc. Multiple Choice Questions / Objective Type Questions will be asked.
- III. Note Making and Summarization based on an unseen passage.

#### SECTION B: GRAMMAR

- I. Questions on Gap filling (Tenses, Clauses)
- II. Re-ordering of words/ phrases/ sentences
- III. Transformation of sentences

#### CREATIVE WRITING SKILLS:

- I. Posters
- II. Classified Advertisements (All types)
- III. Speech
- IV. Debate

#### SECTION C: LITERATURE

##### ~Hornbill:

- The Portrait of a Lady
- “We’re Not Afraid to Die... if We Can All be Together
- Discovering Tut: the Saga Continues
- The Adventure
- Silk Road
  
- A Photograph (Poem)
- The Laburnum Top (Poem)
- The Voice of Rain (Poem)
- Childhood (Poem)
- Father to Son (Poem)

##### ~Snapshots:

- The Summer of the Beautiful White Horse
- The Address
- Mother’s Day
- Birth
- The Tale of Melon City

#### INTERNAL ASSESSMENT

- Assessment of Listening Skills – **05 Marks**  
Assessment of Speaking Skills – **05 Marks**  
Project Work – **10 Marks**





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BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI F

SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

## POLITICAL SCIENCE

### **Part A: Indian Constitution at Work**

1. Constitution
2. Rights in the Indian Constitution
3. Election and Representation
4. Legislature
5. Executive
6. Judiciary
7. Federalism
8. Local Governments
9. Constitution as living document.
10. The philosophy of the Constitution.

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

11. Political Theory: An Introduction
12. Liberty
13. Equality
14. Justice
15. Rights
16. Citizenship
17. Nationalism
18. Secularism

## GEOGRAPHY

### **Book – 1**

- Chapter – 1: Geography as a discipline
- Chapter – 2: Interior of the earth
- Chapter – 3: Distribution of continents and oceans
- Chapter – 4: Earthquakes and volcanoes
- Chapter – 5: Landforms and their evolutions
- Chapter – 6: Composition and structure of atmosphere
- Chapter – 7: Solar radiation and temperature
- Chapter – 8: Water in the atmosphere
- Chapter – 9: World climate and climate change
- Chapter – 10: Life on the earth
- Chapter – 11: Biodiversity and conservation

### **Book – 2**

- Chapter – 1: India location
- Chapter – 2: Physiography
- Chapter – 3: Drainage system
- Chapter – 4: Climate
- Chapter – 5: Natural vegetation
- Chapter – 6: Soils



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CLASS – XI F

SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

## HISTORY

1. An Empire across Three Continents
2. Nomadic Empire
3. The Three Order
4. Changing Cultural Traditions
5. Displacing Indigenous People
6. Path to Modernization
8. Map work on USA and others discussed in class

## LEGAL STUDIES

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CLASS – XI F

## SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### SOCIOLOGY

- Chap 1 – Sociology and Society
- Chap 2 – Terms, concepts and their use in sociology
- Chap 3 – Understanding Social Institutions
- Chap 4 – Culture and Socialization
- Chap 6 – Social Structure, Stratification and Social Processes in Society
- Chap 7 – Social Change and Social Order in Rural Society
- Chap 9 – Western Sociologists
- Chap 10 – Indian Sociologists

### PSYCHOLOGY

- Chapter 1 – What is Psychology
- Chapter 2 – Methods of Enquiry in Psychology
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**CLASS – XI G**  
**SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)**

**ENGLISH**

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**CLASS – XI G**  
**SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)**

**PHYSICS**

<b>Unit-I</b>	<b>Physical World and Measurement</b>
	Chapter-2: Units and Measurements
<b>Unit-II</b>	<b>Kinematics</b>
	Chapter-3: Motion in a Straight Line
	Chapter-4: Motion in a Plane
<b>Unit-III</b>	<b>Laws of Motion</b>
	Chapter-5: Laws of Motion
<b>Unit-IV</b>	<b>Work, Energy and Power</b>
	Chapter-6: Work, Energy and Power
<b>Unit-V</b>	<b>Motion of System of Particles and Rigid Body</b>
	Chapter-7: System of Particles and Rotational Motion
<b>Unit-VI</b>	<b>Gravitation</b>
	Chapter-8: Gravitation
<b>Unit-VII</b>	<b>Properties of Bulk Matter</b>
	Chapter-9: Mechanical Properties of Solids
	Chapter-10: Mechanical Properties of Fluids
	Chapter-11: Thermal Properties of Matter
<b>Unit-VIII</b>	<b>Thermodynamics</b>
	Chapter-12: Thermodynamics
<b>Unit-IX</b>	<b>Behaviour of Perfect Gases and Kinetic Theory of Gases</b>
	Chapter-13: Kinetic Theory
<b>Unit-X</b>	<b>Oscillations and Waves</b>
	Chapter-14: Oscillations
	Chapter-15: Waves



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CLASS – XI G

SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

## CHEMISTRY

- Ch – 1 Some basic concepts of chemistry
- Ch – 2 Structure of Atom
- Ch – 3 Classification of elements and periodicity in properties
- Ch – 4 Chemical Bonding & Molecular Structure
- Ch – 5 Chemical Thermodynamics
- Ch – 6 Equilibrium
- Ch – 7 Redox Reaction
- Ch – 8 Organic chemistry
- Ch – 9 Hydrocarbons

## MATHEMATICS

- Ch 1 Sets
- Ch 2 Relation and functions
- Ch 3 Trigonometric Functions
- Ch 4 Complex numbers and quadratic equations
- Ch 5 Linear inequations
- Ch 6 Permutations and Combinations
- Ch 7 Binomial Theorem
- Ch 8 Sequence and series
- Ch 9 Straight lines
- Ch 10 Conic sections
- Ch 11 Introduction to Three Dimensional Geometry
- Ch 12 Limits and Derivatives
- Ch 13 Statistics
- Ch 14 Probability

## COMPUTER SCIENCE

### **Unit I: Computer Systems and Organisation**

- Basic computer organisation: Introduction to Computer System, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory ( bit, byte, KB, MB, GB, TB, PB)
- Types of software: System software (Operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler, and interpreter), application software
- Operating System (OS): functions of the operating system, OS user interface
- Boolean logic: NOT, AND, OR, NAND, NOR, XOR, NOT, truth tables and De Morgan's laws, Logic circuits
- Number System: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems
- Encoding Schemes: ASCII, ISCII, and Unicode (UTF8, UTF32)

### **Unit II: Computational Thinking and Programming - I**

- Introduction to Problem-solving: Steps for Problem-solving (Analyzing the problem, developing an algorithm, coding, testing, and debugging), representation of algorithms using flowchart and pseudocode, decomposition





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## CLASS – XI G

### SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

- Familiarization with the basics of Python programming: Introduction to Python, Features of Python, executing a simple “hello world” program, execution modes: interactive mode and script mode, Python character set, Python tokens( keyword, identifier, literal, operator, punctuator), variables, concept of l-value and r-value, use of comments
- Knowledge of data types: Number (integer, floating point, complex), boolean, sequence(string, list, tuple), None, Mapping(dictionary), mutable and immutable data types.
- Operators: arithmetic operators, relational operators, logical operators, assignment operators, augmented assignment operators, identity operators (is, is not), membership operators (in not in)
- Expressions, statement, type conversion, and input/output: precedence of operators, expression, evaluation of an expression, type-conversion (explicit and implicit conversion), accepting data as input from the console and displaying output.
- Errors- syntax errors, logical errors, and run-time errors
- Flow of Control: introduction, use of indentation, sequential flow, conditional and iterative flow
- Conditional statements: if, if-else, if-elif-else, flowcharts, simple programs: e.g.: absolute value, sort 3 numbers and divisibility of a number.
- Iterative Statement: for loop, range(), while loop, flowcharts, break and continue statements, nested loops, suggested programs: generating pattern, summation of series, finding the factorial of a positive number, etc.
- Strings: introduction, string operations (concatenation, repetition, membership and slicing), traversing a string using loops, built-in functions/methods–len(), capitalize(), title(), lower(), upper(), count(), find(), index(), endswith(), startswith(), isalnum(), isalpha(), isdigit(), islower(), isupper(), isspace(), lstrip(),rstrip(), strip(), replace(), join(), partition(), split()
- Lists: introduction, indexing, list operations (concatenation, repetition, membership and slicing), traversing a list using loops, built-in functions/methods–len(), list(), append(), extend(), insert(), count(), index(), remove(), pop(), reverse(), sort(), sorted(), min(), max(), sum(); nested lists, suggested programs: finding the maximum, minimum, mean of numeric values stored in a list; linear search on list of numbers and counting the frequency of elements in a list.
- Tuples: introduction, indexing, tuple operations (concatenation, repetition, membership and slicing); built-in functions/methods – len(), tuple(), count(), index(), sorted(), min(), max(), sum(); tuple assignment, nested tuple; suggested programs: finding the minimum, maximum, mean of values stored in a tuple; linear search on a tuple of numbers, counting the frequency of elements in a tuple.
- Dictionary: introduction, accessing items in a dictionary using keys, mutability of a dictionary (adding a new term, modifying an existing item), traversing a dictionary, built-in functions/methods – len(), dict(), keys(), values(), items(), get(), update(), del(), del, clear(), fromkeys(), copy(), pop(), popitem(), setdefault(), max(), min(), sorted(); Suggested programs: count the number of times a character appears in a given string using a dictionary, create a dictionary with names of employees, their salary and access them.
- Introduction to Python modules: Importing module using ‘import ’ and using from statement, importing math module (pi, e, sqrt(), ceil(), floor(), pow(), fabs(), sin(), cos(), tan()); random module (random(), randint(), randrange()), statistics module (mean(), median(), mode()).

### Unit III: Society, Law and Ethics

- Digital Footprints ● Digital Society and Netizen: net etiquettes, communication etiquettes, social media etiquettes
- Data Protection: Intellectual property rights (copyright, patent, trademark), violation of IPR(plagiarism, copyright infringement, trademark infringement), open source software and licensing (Creative Commons, GPL and Apache)



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## CLASS – XI G

### SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

- Cyber Crime: definition, hacking, eavesdropping, phishing and fraud emails, ransomware, cyber trolls, cyber bullying
- Cyber safety: safely browsing the web, identity protection, confidentiality
- Malware: viruses, trojans, adware
- E-waste management: proper disposal of used electronic gadgets.
- Information Technology Act (IT Act)
- Technology and society: Gender and disability issues while teaching and using computers

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### PAINTING (ADDITIONAL)

UNIT – I Pre-historic Rock Painting and Art of Indus Valley

UNIT – II Buddhist, Jain and Hindu Art

UNIT – III Temple Sculptures, Bronzes and Artistic Aspects of Indo Islamic architecture

### HINDI (ADDITIONAL)

#### खंड - क अपठित बोध (18 अंक)

1. अपठित गद्यांश (10 अंक)

- बहुविकल्पीय प्रश्न (1X3=3)
- अतिलघूत्तरात्मक प्रश्न (1X1=1)
- लघूत्तरात्मक प्रश्न (2X3=6)

2. अपठित गद्यांश (8 अंक)

- बहुविकल्पीय प्रश्न (1X3=3)
- अतिलघूत्तरात्मक प्रश्न (1X1=1)
- लघूत्तरात्मक प्रश्न (2X2=4)

#### खंड - ख (अभिव्यक्ति और माध्यम पाठ्यपुस्तक के आधार पर) (22 अंक)

पाठ संख्या - 1, 2, 9, 10, 14, 15 और 16 पर आधारित

पाठ 1 – जनसंचार माध्यम

पाठ 2 – पत्रकारिता के विविध आयाम

पाठ 9 – डायरी लिखने की कला

पाठ 10 – कथा-पटकथा



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CLASS – XI G

## SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

पाठ 14 – कार्यालयी लेखन और प्रक्रिया

पाठ 15 – स्ववृत्त (बायोडेटा) लेखन और रोज़गार संबंधी आवेदन पत्र

पाठ 16 – कोश-एक परिचय

3. दिए गए 03 अप्रत्याशित विषयों में से किसी एक विषय पर लगभग 120 शब्दों में रचनात्मक लेखन  
(6X1=6) (6 अंक)
4. औपचारिक पत्र लेखन (विकल्प सहित) (5X1=5) (5 अंक)
5. पाठ संख्या - 1, 2, 9, 10, 14, 15 और 16 पर आधारित (11 अंक)
- 4 प्रश्न (विकल्प सहित) (2X4=8) (लगभग 40 शब्दों में)
  - 1 प्रश्न (विकल्प सहित) (3X1=3) (लगभग 60 शब्दों में)

खंड-ग (आरोह भाग-1 और वितान भाग-1 पाठ्य पुस्तकों के आधार पर) (40 अंक)

❖ आरोह भाग-1

➤ गद्य खंड

- पाठ 1 - नमक का दरोगा (प्रेमचंद)
- पाठ 2 - मियाँ नसीरुद्दीन (कृष्णा सोबती)
- पाठ 3 - अपू के साथ ढाई साल (सत्यजित राय)
- पाठ 4 - विदाई-संभाषण (बालमुकुन्द गुप्त)
- पाठ 5 - गलता लोहा (शेखर जोशी)
- पाठ 6 - रजनी (मन्नू भंडारी)
- पाठ 7 - जामुन का पेड़ (कृश्नचंदर)
- पाठ 8 - भारत माता (जवाहर लाल नेहरू)

➤ काव्य खंड

- पाठ 1 - हम तो एक एक करि जानां (कबीर)
- पाठ 2 - मेरे तो गिरधर गोपाल, दूसरो न कोई (मीरा)
- पाठ 3 - घर की याद (भवानी प्रसाद मिश्र)
- पाठ 4 - चंपा काले-काले अच्छर नहीं चीन्हती (त्रिलोचन)
- पाठ 5 - गज़ल (दुष्यंत कुमार)
- पाठ 6 - 1. हे भूख! मत मचल  
2. हे मेरे जूही के फूल जैसे ईश्वर (अक्कमहादेवी)
- पाठ 7 - सबसे खतरनाक (अवतार सिंह पाश)
- पाठ 8 - आओ, मिलकर बचाएँ (निर्मला पुतुल)



# DARBARI LAL D.A.V. MODEL SCHOOL

BN-BLOCK, SHALIMAR BAGH, DELHI – 110 088

CLASS – XI G

## SYLLABUS FOR ANNUAL EXAMINATION (2024 – 2025)

### ❖ वितान भाग-1

- पाठ 1 - भारतीय गायिकाओं में बेजोड़: लता मंगेशकर (कुमार गंधर्व)
- पाठ 2 - राजस्थान की रजत बूँदें (अनुपम मिश्र)
- पाठ 3 - आलो-आँधारि (बेबी हालदार)
- पाठ 4 - भारतीय कलाएँ

6. पठित काव्यांश पर आधारित 5 बहुविकल्पी प्रश्न (1X5) (5 अंक)
7. काव्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3X2) (6 अंक)
8. काव्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2X2) (4 अंक)
9. पठित गद्यांश पर आधारित 5 बहुविकल्पी प्रश्न (1X5) (5 अंक)
10. गद्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 60 शब्दों में) (3X2) (6 अंक)
11. गद्य खंड पर आधारित 3 प्रश्नों में से किन्हीं 2 प्रश्नों के उत्तर (लगभग 40 शब्दों में) (2X2) (4 अंक)
12. वितान के पाठों पर आधारित 3 में से 2 प्रश्नों के उत्तर (लगभग 100 शब्दों में) (10 अंक)

### PHYSICAL EDUCATION (ADDITIONAL)

- UNIT – 1 Changing Trends & Career in Physical Education
- UNIT – 2 Olympic Value Education
- UNIT – 3 Yoga
- UNIT – 4 Physical Education & Sports for CWSN
- UNIT – 5 Physical Fitness, Wellness
- UNIT – 6 Test, Measurements & Evaluation
- UNIT – 7 Fundamentals of Anatomy and Physiology in Sports
- UNIT – 8 Fundamentals of Kinesiology and Biomechanics in Sports
- UNIT – 9 Psychology and Sports
- UNIT – 10 Training & Doping in Sports