



DAV PUBLIC SCHOOLS, BIHAR ZONE

Syllabus for Half – Yearly Examination, 2025-26

CLASS: X

ENGLISH

BOOK: First flight

- Prose:
1. A letter to God
 2. Two Stories about Flying
 3. From the Diary of Anne frank
 4. Nelson Mandela.
 5. Glimpses of India
 6. Mijbil the otter

- Poems:
1. Dust of snow
 2. Fire & Ice
 3. How to tell wild Animals
 4. The Ball poem
 5. A tiger in the Zoo
 6. Amanda

BOOK: Footprints without feet

- Prose:
1. Triumph of Surgery
 2. The Thief's Story
 3. A questions of Trust
 4. Footprints without Feet
 5. The midnight Visitor
 6. The making of scientist

- Writing:
1. Analytical paragraph based on given outline/data/Chart/Clues
 2. Formal letter (The editor)
 3. Formal letter (Complaint)
 4. Formal letter (Order)

- Grammar:
1. Tense
 2. Modals
 3. Reported speech
 4. Subject verb Concord

MATHEMATICS

- **Real number: -**

Fundamental theorem of arithmetic statement after reviewing work done earlier and after illustrating and motivating through examples proofs of irrationality of $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ etc.

- **Polynomials: -**

Zeros of polynomial. Relationship between Zeros and coefficients of quadratic polynomials.

- **Pair of linear equation in two variables:**

Pair of linear equation in two variables and method of their solution, consistency/inconsistency.

Algebraic condition for number of solutions. Solution of a pair of linear equations in two variables algebraically by substitution, by elimination. Simple situational word problems.

- **Triangles:**

Definitions, examples, counter examples of similar triangles.

1. (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two side in distinct points, the other two sides are divided in the same ratio.
2. (Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.
3. (Motivate) if in two triangles, the corresponding sides are proportional, and the triangle are similar.
4. (Motivate) if the corresponding angles of two triangles are equal then the triangle are similar.
5. (Motivate) if one angle of a triangle is equal to one angle of another triangle and the side including these angles are proportional, the two triangles are similar.

- **Introduction to trigonometry: -**

Trigonometry ratios of an acute angle of a right-angled triangle. Proof of their existence (Well defined); motivate the ratios whichever are defined at 0° and 90° . Values of the trigonometric ratios of 30° , 45° and 60° . Relationship between the ratios.

- **Trigonometric identities: -**

Proof and applications of the identity $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given.

- **Area related to circles**

- **Probability**

- **Quadratic equations**

SCIENCE

Physics:

Chapter-9: Light –Reflection and Refraction

Chapter-10: Human eye and Colorful world

Chemistry:

Chapter - 01: Chemical Reaction and equations

Chapter - 02: Acid, Bases and Salts

Chapter - 03: Metals and Non-Metals

Biology:

Chapter - 05: Life Processes

Chapter - 06: Control and Coordination

SOCIAL SCIENCE

HISTORY

Section 1: Events and Processes

CHAPTER – I The Rise of Nationalism in Europe

CHAPTER – II Nationalism in India

Section 2: Livelihoods, Economics and Societies

CHAPTER – III The making of a global world

GEOGRAPHY

CHAPTER – 1 Resource and development
CHAPTER – 2 Forest and wildlife resources
CHAPTER – 3 Water resources
CHAPTER – 4 Agriculture

POLITICAL SCIENCE

CHAPTER – 1 Power sharing
CHAPTER – 2 Federalism
CHAPTER – 3 Gender Religions and Caste

ECONOMICS

CHAPTER – 1 Development
CHAPTER – 2 Sectors of Indian Economy

ARTIFICIAL INTELLIGENCE (417)

PART A: Employability Skill

1. Communication Skill – II
2. Self-Management skills – II
3. ICT Skill – II

PART-B: Subject Specific Skills

1. Revisiting AI project cycle & ethical framework for AI
2. Advance concepts of modelling in AI
3. Evaluating models

INFORMATION TECHNOLOGY (402)

PART A: Employability Skill

1. Communication Skill – II
2. Self-Management skills – II
3. ICT Skill – II

PART A: Subject Specific Skills

1. Digital Documentation (Advance)
2. Electronic Spreadsheet (advance)

हिंदी (A)

क्षितिज भाग – २

पद्यखंड:

- सूर के पद - सूरदास
- राम लक्ष्मण – परशुराम संवाद
- आत्मकथा – जयशंकर प्रसाद
- सूर्यकांत त्रिपाठी रचित उत्साह और अट नहीं रही

गद्यखंड:

- नेताजी का चश्मा
- बालगोबिन भगत
- लखनवी अंदाज
- एक कहानी यह भी

कृतिका भाग - 2

- माता का आँचल
- साना साना हाथ जोड़े

व्याकरण एवं रचनात्मक लेखन

- वाक्य भेद - रचना के आधार पर
- वाच्य
- पद परिचय
- वाक्य विन्यास और वाक्य विश्लेषण
- लेखन - अन्नुछेद लेखन
- सन्देश लेखन
- स्ववृत्त लेखन
- ई० मेल लेखन
- पत्र लेखन
- विज्ञापन
- अलंकार

हिंदी (B)

स्पर्श - गद्य

- बड़े भाई साहब
- डायरी का पन्ना
- तताँरा वामीरो कथा
- तीसरी कसम के शिल्पकार शैलेन्द्र

स्पर्श - पद्य

- कबीर - साखी
- मीरा पद
- मनुष्यता
- पर्वत प्रदेश में पावस

संचयन -

- हरिहर काका
- सपनो के से दिन

व्याकरण -

- पदबंध
- रचना के आधार पर वाक्य रूपांतरण
- समास
- मुहावरे

लेखन

- अनुच्छेद लेखन
- औपचारिक पत्र
- सुचना लेखन
- अपठित गद्यांश
- लघु कथा

संस्कृतम् (119)

अपठितांशावबोधनम् (10 अङ्काः)

1. अपठित गद्यांश (80 -100 शब्दाः)

- ✓ एकपदेन उत्तरतः - 1 x 2 = 2
- ✓ पूर्णवाक्येन उत्तरतः - 2 x 2 = 4
- ✓ शीर्षक लेखनम्: - 1 x 1 = 1
- ✓ अनुच्छेदाधारित भाषिककार्यम् : - 1 + 1 + 1 = 3
 - कर्तृक्रियापदचयनम्
 - विशेष्यविशेषणपदम् चयनम्
 - पर्याय-विलोम्-पद-चयनम्

रचनात्मकं कार्यम् (15 अङ्काः)

- | | |
|---|---|
| 2. संकेताधारित पत्रलेखनम् | 5 |
| 3. चित्रवर्णनम् | 5 |
| 4. सम्वाद /कथापूर्ति: (मञ्जूषासहायतया) | 5 |

अनुप्रयुक्तव्याकरणम् (25 अङ्काः)

- | | |
|--|---|
| 5. स्वर संधि :- | 4 |
| <ul style="list-style-type: none"> • वृद्धि, यण्, अयादि, पूर्वरूप (1अङ्क) | |
| व्यञ्जन संधि :- | |

- परसवर्ण (अनुस्वारस्थाने पञ्चमवर्ण प्रयोगः)
- तुकागम्
- प्रथमवर्णस्य तृतीयवर्णे परिवर्तनम् (1अङ्कः)

विसर्ग संधि:- (2अङ्काः)

उत्वम्, रत्वम्, विसर्गस्य लोपः

- | | |
|---|---|
| 6. समासः – वाक्येषु समस्तपदानां विग्रहः विग्रहपदानां च समासः
तत्पुरुष – विभक्तिः, नञ, उपपद, द्वन्द्व | 4 |
| 7. प्रत्ययाः – तद्धित :- मतुप्, ठक्, त्व,
स्त्री. टाप् | 4 |
| 8. वाच्य परिवर्तनम् :- केवलं लट्लकारे (कर्तृ – कर्म - क्रिया) | 3 |
| 9. समयः –अङ्कानां स्थाने शब्देषु समय लेखनम् | 3 |
| 10. अव्ययपदानि :-
इव् ,उच्चैः ,एव, नूनम्,इतस्ततः,विना ,सहसा ,वृथा, शनैः,इति,मा ,यत्, इदानीम् ,अधुना,सम्प्रति | 4 |
| 11. अशुद्धिसंशोधनम् (लिङ्ग,वचन ,पुरुष,लकार दृष्ट्या) | 3 |

पठितांशावबोधनम् (30 अङ्काः)

- | | |
|--|---|
| 12. पठितांशगद्यांशम् | 5 |
| 13. पठितांश पद्यांशम् | 5 |
| 14. पठितांश नाट्यांशम् | 5 |
| 15. रेखांकितपदानि अधिकृत्य प्रश्ननिर्माणम् | 5 |
| 16. एकस्यश्लोकस्य अन्वयः /भावार्थं वा (मञ्जूषासहायतया रिक्तस्थानपूर्तिमाध्यमेन) | 2 |
| 17. प्रसङ्गानुसारम् अर्थचयनम् (पाठान् अधिकृत्य बहुविकल्पात्मकाः प्रश्नाः) | 4 |
| 18. पाठाधारित कथापूर्तिः (मञ्जूषापद सहायतया) | 4 |
| 19. पाठ्यपुस्तकम् <ul style="list-style-type: none"> ○ प्रथमः पाठः वाङ्मयःतपः ○ द्वितीय पाठः नास्ति त्यागसमं सुखम् ○ तृतीयः पाठः रमणीया हि श्रष्टिः एषाः ○ चतुर्थः पाठः आज्ञा गुरुणां हि अविचारणीया ○ पञ्चमः पाठः अभ्यासवशात् मनः | |
