



# NATIONAL PUBLIC SCHOOL, Kengeri, Bengaluru

## ENTRANCE EXAMINATION PORTIONS

ACADEMIC YEAR 2024-25

FOR GRADE IX

| SL NO.   | TOPIC                 | SUB-TOPIC   |
|--|-----------------------|---|
| <b>SUBJECT : ENGLISH</b>                         |                       |   |
| 1  | <b>Comprehension</b>  | ➤ Unseen Passage  |
| 2  | <b>Writing Skills</b> | ➤ Letter to the Editor  |
| 3  | <b>Grammar</b>        | ➤ Articles<br>➤ Verbs, Tenses & Infinitives<br>➤ Active & Passive Voice<br>➤ Direct & Indirect Speech<br>➤ Transformation of Sentences  |
| <b>SUBJECT : KANNADA 2<sup>ND</sup> LANGUAGE</b> |                       |   |
| 1  | ಗ್ರಹಿಕೆ               | ಗದ್ಯಾಂಶ   |
| 2  | ಬರವಣಿಗೆ ಕೌಶಲ          | ಪತ್ರಲೇಖನ<br>ಪುಬಂಧ, ಗಾದೆಗಳು<br>ಸ್ವಂತ ವಾಕ್ಯ   |
| 3  | <u>ವ್ಯಾಕರಣಾಂಶಗಳು</u>  | ಸಂಧಿಗಳು, ವರ್ಣಮಾಲೆ, ದ್ವಿರುಕ್ತಿ, ಅನುಕರಣಾವ್ಯಯ, ಜೋಡುನುಡಿ, ಕಾಲಗಳು, ತತ್ಸಮ-ತದ್ಭವ, ನಾಮಪದ, ಸರ್ವನಾಮ, ವಿಭಕ್ತಿ ಪ್ರತ್ಯಯಗಳು, ಲಿಂಗಗಳು, ವಚನಗಳು, ಲೇಖನ ಚಿಹ್ನೆ, ಗ್ರಾಂಥಿಕ ರೂಪ, ಕರ್ತೃ, ಕರ್ಮ, ಕ್ರಿಯಾಪದಗಳು |
| <b>SUBJECT : HINDI 2<sup>ND</sup> LANGUAGE</b>   |                       |   |
| 1  | <u>रचनात्मक कार्य</u> | अपठित गद्यांश<br>अनुच्छेद लेखन<br>पत्र -लेखन  |
| 2  | <u>व्याकरण खंड</u>    | पाठ - क्रिया विशेषण<br>पाठ - संधि<br>पाठ - समास<br>पाठ - क्रिया<br>पाठ - सर्वनाम<br>पाठ - काल<br>पाठ - विशेषण   |

| <b>SUBJECT : MATHEMATICS</b> |                                   |  |
|------------------------------|-----------------------------------|--|
| 1                            | <b>Arithmetic Concepts</b>        | Exponents  |
|                              |                                   | Factorisation  |
| 2                            | <b>Algebraic Concepts</b>         | Linear Equations in One Variable   |
|                              |                                   | Operations on Algebraic Expressions and Identities   |
| 3                            | <b>Geometric Concepts</b>         | Quadrilaterals & Properties of Parallelograms  |
| <b>SUBJECT : SCIENCE</b>     |                                   |  |
| 1.                           | <b>Sound energy</b>               | General terms used in sound, Vibrations and its types, Echoes, Loudness and pitch, Units of loudness in decibels   |
| 2.                           | <b>Light energy</b>               | Real and virtual image, Reflection and Laws of reflection, Characteristics of an image formed by a plane mirror, Regular and diffused reflection and Dispersion of light                         |
| 3.                           | <b>Metals and non-metals</b>      | Physical and chemical properties, Reaction with acid, Reaction with base, Reaction with water, Displacement reaction, Uses of metals and non-metals.   |
| 4.                           | <b>Pollution of air and water</b> | Water pollution, Potable water, Water as Universal solvent, Greenhouse effect, Global warming, Air pollution.  |
| 5.                           | <b>Reproduction in Animals</b>    | Modes of Reproduction, Sexual Reproduction, Asexual Reproduction, Role of Hormones in Initiating Reproductive Function, Adolescence and Puberty, Changes at Puberty, Secondary Sexual Characters |