## SAINIK SCHOOL ENTRANCE EXAM (AISSEE) PATTERN FOR CLASSES 6

 \& 9
## DURATION OF EXAMINATION:

| Exam for admission to | Duration |
| :--- | :--- |
| VI Std | 150 minutes |
| IX Std | 180 minutes |

## SCHEME OF EXAMINATION:

Mode of Examination: Paper pencil on OMR answer sheets for admission to both Class VI and Class IX.
Type of Questions: Multiple Choice Questions Scheme of Examination is as follows:

For VI Std

| Section | Topic | No. of <br> Questions | Marks for each <br> Correct answer | Total marks |
| :---: | :---: | :---: | :---: | :---: |
| A | Language | 25 | 2 | 50 |
| B | Mathematics | 50 | 3 | 150 |
| C | Intelligence | 25 | 2 | 50 |
| D | General <br> Knowledge | 25 | 2 | 50 |
|  | Total | 125 |  | 300 |

There is no negative mark for a wrong response.

For IX Std

| Section | Topic | No. of <br> Questions | Marks for each <br> Correct answer | Total marks |
| :---: | :---: | :---: | :---: | :---: |
| A | Mathematics | 50 | 4 | 200 |
| B | Intelligence | 25 | 2 | 50 |
| C | English | 25 | 2 | 50 |
| D | General <br> Science | 25 | 2 | 50 |
| E | Social Science | 25 | 2 | 50 |
|  | Total | 150 |  | 400 |

There is no negative mark for a wrong response.

## MEDIUM OF EXAMINATION:

For admission to Class IX: English only

For admission to Class VI:

- English
- Marathi
- Hindi
- Odiya
- Assamese
- Punjabi
- Bengali
- Tamil
- Gujarati
- Telugu
- Kannada
- Urdu
- Malayalam
(a) A candidate can choose any of the above languages irrespective of school applied or.
(b) Option of medium of Question Paper should be carefully chosen while filling in the Application Form. The option once exercised cannot be changed.
(c) Candidates opting for English or Hindi would be provided bilingual Exam Booklet (i.e., in English and Hindi).
(d) Candidates opting for regional languages would be provided Exam Booklet in the language opted by the candidate in their application form and English.
(e) In case of any ambiguity in translation/construction of a question in the exam, its English version (except for the Language section questions) shall be treated as final and the decision of NTA shall be final in this regard.


## TOPICS COVERED IN CLASS VI: MATHEMATICS

Total Question- 50 Max Marks- 150

| S No | Topics | S No | Topics |
| :--- | :--- | :--- | :--- |
| 1 | Natural Numbers | 14 | Conversion of Units |
| 2 | LCM and HCF | 15 | Roman Numerals |
| 3 | Unitary Method | 16 | Types of Angles |
| 4 | Fractions | 17 | Circle |
| 5 | Ratio and Proportion | 18 | Volume of Cube and <br> Cuboids |
| 6 | Profit and Loss | 19 | Prime and Composite <br> Numbers |
| 7 | Simplification | 20 | Plane Figures |
| 8 | Percentage | 22 | Decimal Numbers |
| 9 | Area and Perimeter | 23 | Speed and Time |
| 10 | Simple Interest | 24 | Operation on <br> Numbers |
| 11 | Lines and Angles | 25 | Temperature |
| 12 | Complementary and <br> Supplementary <br> Angles | Arranging of <br> Fractions |  |
| 13 |  |  |  |

## TOPICS COVERED IN CLASS VI: INTELLIGENCE

Total Question- 25 Max Marks-50

Questions on Intelligence will be based on analogies (mathematical \& verbal), pattern (spatial and mathematical), classification, visual, logical, reasoning etc.

TOPICS COVERED IN CLASS VI: LANGUAGES (ENGLISH / HINDI / REGIONAL LANGUAGES)
Total Question- 25 Max Marks- 50

| S No | Topics | S No | Topics |
| :--- | :--- | :--- | :--- |
| 1 | Comprehension <br> Passage | 14 | Sentence Formation |
| 2 | Preposition | 15 | Antonyms |
| 3 | Article | 16 | Synonyms |
| 4 | Vocabulary | 17 | Adjectives |
| 5 | Verbs and Type | 18 | Interjection |
| 6 | Confusing Words | 19 | Idioms and Phrases |
| 7 | Question Tags | 20 | Collective Nouns |
| 8 | Types of sentence | 21 | Number |
| 9 | Tense forms | 22 | Gender |
| 10 | Kinds of Nouns | 23 | Adverbs |
| 11 | Kinds of Pronouns | 24 | Rhyming Words |
| 12 | Correct Spelling | 25 |  |
| 13 | Ordering of words in <br> sentence |  |  |

Questions in the language(s) section will be based on topics dealt till Class V

## TOPICS COVERED IN CLASS VI: GENERAL KNOWLEDGE

Total Question- 25
Max Marks-50

| $\begin{gathered} \hline \mathbf{S} \\ \text { No } \end{gathered}$ | Topics | $\begin{gathered} \hline \mathbf{S} \\ \text { No } \end{gathered}$ | Topics |
| :---: | :---: | :---: | :---: |
| 1. | Different Types of Scientific Devices Used in Daily Life. | 15. | Concepts on Mountain Terrain and Lifestyle |
| 2. | Icons and Symbols of India: National Insignia, National Emblem, Sports, Animal etc. (Elementary awareness of Such symbols) | 16. | Historical Monuments |
| 3. | Major Religions of India (Elementary awareness about founder, place of origin, <br> Religious books and important ideas) | 17. | Shape of Earth and Gravitation (Basic concepts) |
| 4. | Art and Culture (Music, Classical and Folk Dance); Renowned Personalities, Instrumental and Vocal Music, Major Dance Forms | 18. | Non-Renewable Energy Sources (Fossil Fuels) |
| 5. | Defence (Equivalent Ranks in three services, Weapons, Aircraft, Missiles \& Warships (Elementary awareness) | 19. | Food, Culture, Habitat, Languages etc of various regions (Basic concepts) |
| 6. | Sports and Games (India \& World). Renowned personalities, major competitions and trophies associated With various games | 20. | Names of young ones of different animals |
| 7. | Super Senses (How do plants and Animals sense their surroundings) | 21. | Functions of Body Parts of Plants and Animals |
| 8. | Relationship between Animals and Human Beings | 22. | International Organizations: <br> Basic knowledge about structure, <br> Functioning and objectives of United Nations, World Bank etc. |
| 9. | Taste and Digestion (Basic concepts) | 23. | Indian Literary and Cultural Personalities: Names and fields of achievements |
| 10. | Cooking and Preserving Techniques | 24. | Indian Literary and Cultural Awards. (Names of the award sand recent recipients) |
| 11. | Germination and Seed Dispersal | 25. | Natural Calamities (Flood and Earthquake) |
| 12. | Traditional Water Harvesting Techniques | 26. | Evaporation, Condensation and Water Cycle (Basic concepts) |
| 13. | Experiment with Water on Everyday Life | 27. | Life of Farmers (Farming techniques) |
| 14. | Water Pollution and Microbial Diseases | 28. | Tribal Communities and Forest Produce |

## TOPICS COVERED IN CLASS IX: MATHEMATICS

Total Questions-50

| S.No | Topics | S.No | Topics |
| ---: | :--- | ---: | :--- |
| 1. | Rational Numbers | 16. | Average, Median, Mode |
| 2. | Linear Equations in One Variable | 17. | Probability |
| 3. | Understanding Quadriaterals | 18. | Pie Chart |
| 4. | Data Handling (Bar Graph and Line <br> Graph) | 19. | Direct \& Inverse Proportions |
| 5. | Squares and Square Roots | 20. | Factorizations |
| 6. | Cubes and Cube Roots | 21. | Introduction to Graph |
| 7. | Comparing Quantities (Percentage, <br> Profit and Loss) | 22. | Unitary Method |
| 8. | Algebraic Expressions and Identities | 23. | Divisibility Exam |
| 9. | Area and Perimeters | 24. | Triangles (Angle Sum Property) |
| 10. | Volumes and Surface Areas | 25. | Parallel Lines |
| 11. | Exponents and Powers | 26. | Simple Interestand Compound <br> Interest |
| 12. | Playing with Numbers | 27. | Time and Work |
| 13. | Visualizing Solid Shapes | 28. | Area and Perimeter of Circles |
| 14. | Triangles (Pythagoras Theorem) | 29. | Algebraic Expression (Addition, <br> Subtraction, Multiplication, Division) |
| 15. | Euler's Formula |  |  |

## TOPICS COVEREDINCLASSIX:INTELLIGENCE

## Total Question - 25

Questions on Intelligence will be based on analogies (mathematical \& verbal), pattern (spatial and mathematical), classification, visual, logical, reasoning etc

## TOPICS COVEREDIN CLASS IX: ENGLISH

| S No | Topics | S No | Topics |
| :---: | :--- | ---: | :--- |
| 1. | Spotting Errors | 17. | Sentence Improvement |
| 2. | Comprehension Passage | 18. | Change of sentence as directed |
| 3. | Antonyms | 19. | Sentence Formation |
| 4. | Synonyms | 20. | Types of Sentences |
| 5. | Prepositions | 21. | Phrase and Clauses |
| 6. | Articles | 22. | Kinds of Noun |
| 7. | Types of Verbs | 23. | Adjectives |
| 8. | Tense Form | 24. | Interjection |
| 9. | Narration | 25. | Question Tags |
| 10. | Voices | 26. | Adverbs |
| 11. | Modals | 27. | Conjunctions |
| 12. | Confusing Words | 28. | Conditions |
| 13. | Subject-Verb Agreement | 29. | Comparison of Adjectives |
| 14. | Correct Spellings | 30. | Personal Pronoun |
| 15. | Order of words in a sentence | 31. | Change of Gender |
| 16. | Idioms and Phrases | 32. | Change of Number |

Total Question-25 Max Marks-50

| S No | Topics | S No | Topics |
| :---: | :--- | :---: | :--- |
| 1. | Fossil Fuel: Coal and <br> Petroleum | 14. | Micro-Organisms |
| 2. | Combustion and Flame | 15. | Some Natural <br> Phenomenon |
| 3. | Cell Structure and <br> Function | 16. | How to find calorific value <br> of fuel? |
| 4. | Reproduction in Plants <br> And Animals | 17. | Electroplating and <br> Artificial Jewellery |
| 5. | Force, Friction and <br> Pressure | 18. | Relation between types of <br> friction. |
| 6. | Sound and its basics | 19. | Cropping Seasons |
| 7. | Reflection and <br> Dispersion of Light | 20. | Agricultural Practices |
| 8. | Metals and Non Metals | 21. | Conservation of Plants <br> and Animals |
| 9. | Synthetic Fibers and <br> Plastics | 22. | Biosphere Reserves, <br> National Parks and <br> Sanctuaries |
| 10. | Chemical Effects of <br> Electric Current | 23. | Reaching the age of <br> Adolescence |
| 11. | Stars and Solar <br> Systems | 24. | Changes during Puberty |
| 12. | Pollution of Air and <br> Water | 25. | Endocrine Glands and <br> Hormones |
| 13. | Global Warming |  |  |

## TOPICS COVEREDIN CLASS IX: SOCIAL SCIENCE

Total Question- 25
Max Marks-50

| S No | Topics | S No | Topics |
| ---: | :--- | ---: | :--- |
| 1. | Revolt of 1857 | 20. | Interior of Earth |
| 2. | Freedom Fighters | 21. | Climate Change |
| 3. | Important Freedom Movements | 22. | Earthquakes and Major Land <br> Forms |
| 4. | Social and Caste Reforms | 23. | Types of Rainfall |
| 5. | Resources and sustainable <br> development | 24. | Major Grasslands |
| 6. | Rock cycle of water cycle | 25. | Types of Forests |
| 7. | Pressure and Wind System | 26. | Means of Transport |
| 8. | Land Soil and Water Resources | 27. | Communication |
| 9. | Minerals and Power Resources | 28. | Life in deserts |
| 10. | Indian Constitution and <br> Secularism | 29. | Panchayat System |
| 11. | Importance of Parliament | 30. | Local Self Government |
| 12. | Types of Agriculture | 31. | Law and Social Justice. |
| 13. | Types of Govemment and <br> Different tiers of Government | 32. | Judiciary and Criminal Justice <br> System |
| 14. | Understanding Markets | 33. | Marginalisation |
| 15. | Elections | 34. | Public Facilities |
| 16. | Role of Government in Health | 35. | Natural Vegetation and <br> Wildlife |
| 17. | Delhi Sultanate | 36. | Industries |
| 18. | Mughals | 37. | Human Resources |
| 19. | Bhakti and Sufi Movement | 38. | Changes in the Arts |

