**Columbia Foundation School**

*D – Block, Vikas Puri, New Delhi - 110018*

**SYLLABUS : (2019-20)**

***Class – VII***

**Features & Guidelines**

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| **Complexity / Difficulty Level** | | |
| **Level** | **Description** | **Notes** |
| 1 | High (H) | Topic needs more attention |
| 2 | Medium (M) | Needs moderate attention |
| 3 | Easy (L) | Simple topic |

* High Level of Difficulty implies more practice and parental guidance towards the topic.
* Classes for subjects like computer, Moral Science, General Knowledge, Drawing and Music are conducted once a week. Hence, the schedule is planned accordingly.
* In English, we have categorized the skills such as Reading, Writing, Vocabulary, Grammar, Speaking, and listening so that the child has a holistic approach towards the language.
* All the activities are relevant to the topic and are planned based on its difficulty level.
* Group activities will instill qualities such as teamwork, sharing and respecting others’ opinion among the students.
* Most of the activities help to bridge the gap between theory and practical connecting the students to real life processes.
* Constant recapitulation of the topics helps in proper comprehension and retention of the concepts.
* All the activities in mathematics are designed to erase off fear from the minds of the learners towards the subject.
* Please refer to the syllabus before contacting us for any queries related to the syllabus.

**ENGLISH**

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| **UT** | **Month** | **Reader** | **Grammar** | **Supplementary** | **Activity** |
| I | Apr. | **Unit-1:** Caring for Others  **Sec. 1:** Every Child free to be a Child  **Sec.2:** A Christmas Carol  **Sec.**3: The Bridge Builder | **Ch-1:** Sentence  **Ch-2:** Nouns  **Ch-3:** Adjectives  **Ch-31:** Paragraph Writing | **Ch-1,2** | Watch the Nobel prize speech of Kailash Satyarthi and Malala Yousafzai & discuss in groups in class. Write your views, what will you, do facing a situation like this. |
| May | **Unit-2:** The World Around Us  **Sec. 1:** A True Story About Ladybugs | **Ch-4:** Articles  **Ch-5:** Pronouns  **Ch-6:** Verbs (Transitive & Intransitive)  **Ch-7:** Verbs (Present Tense) | **Ch - 3** | **-** |
| II | July | **Sec.2:** Adolf  **Sec.3:** Written in the fields  **Unit3:** Importance of Science  **Sec.1:** For a while Misunder- stood him. | **Ch-8:** Verbs (Past Tense)  **Ch-9:** Verbs (Future Tense)  **Ch-25:** Synonyms & Antonyms | **Ch - 4** | Find out the writers in English Literature who wrote keeping science as their theme. Mention their works. |
| Aug. | **Sec2 :** India’s Spacewomen  **Sec3 :** Retired – Jain Crichton - Smith | **Ch-34:** Story Writing  **Ch-19:** Sentences: Simple Compound, Complex  **Ch-23:** Words often Confused (1-10) | **Ch – 5, 6, 7** | Women have achieved a lot of fame. Find out Indian women who have setup records for doing something unique. |
| H.Y.  Exam | Sept. | **Unit 4:** Birds & Animals  **Sec.-1:** The Boy and the Swallow | **Ch-20:** Transformation of Sentences | **-** | - |
| III | Oct. | **Sec.2:** A Tiger Comes to Town  **Sec.3:** Milk for the Cat | **Ch-13:** Adverbs  **Ch-15:** Conjunctions  **Ch-29:** Informal Letters | **Ch - 8, 9** | Findout and paste the picture of birds and animals which are on the verge of extinction. |
| Nov. | **Unit 5:** Games & Sports  **Sec.1:** Lady of the Ring  **Sec.2:** Easily Distracted | **Ch-33:**Biographical Sketches  **Ch-14:** Prepositions  **Ch-24:** Words Followed by appropriate prepositions | **Ch - 10, 11** | Find out & write about the sports which have got added in the Olympics. |
| IV | Dec. | **Sec-3:** Sports Day  **Unit-6:** How Mysterious  **Sec.1:** Uncovering the Ghost of Nancy Drew | **Ch-10:** Modals  **Ch-23:** Words of Often Confused  **Ch-35:** Writing Essays | **Ch -12, 13** | **–** |
| Jan. | **Sec.2:** The Adventure of the Three Students  **Sec.3:** Miracles | **Ch-12:** Active Passive Voice  **Ch-25:** Synonyms & Antonyms (1-20)  **Ch-29:** Formal Letters | **Ch – 14** | Elocution (Presentationintheclass). |
| F.Y. Exam. | Feb | **Revision** | **Ch-22:** Integrated Grammar Practices **(Revision of Whole Syllabus)** | **Ch-15, 16** |  |

**MATHS**

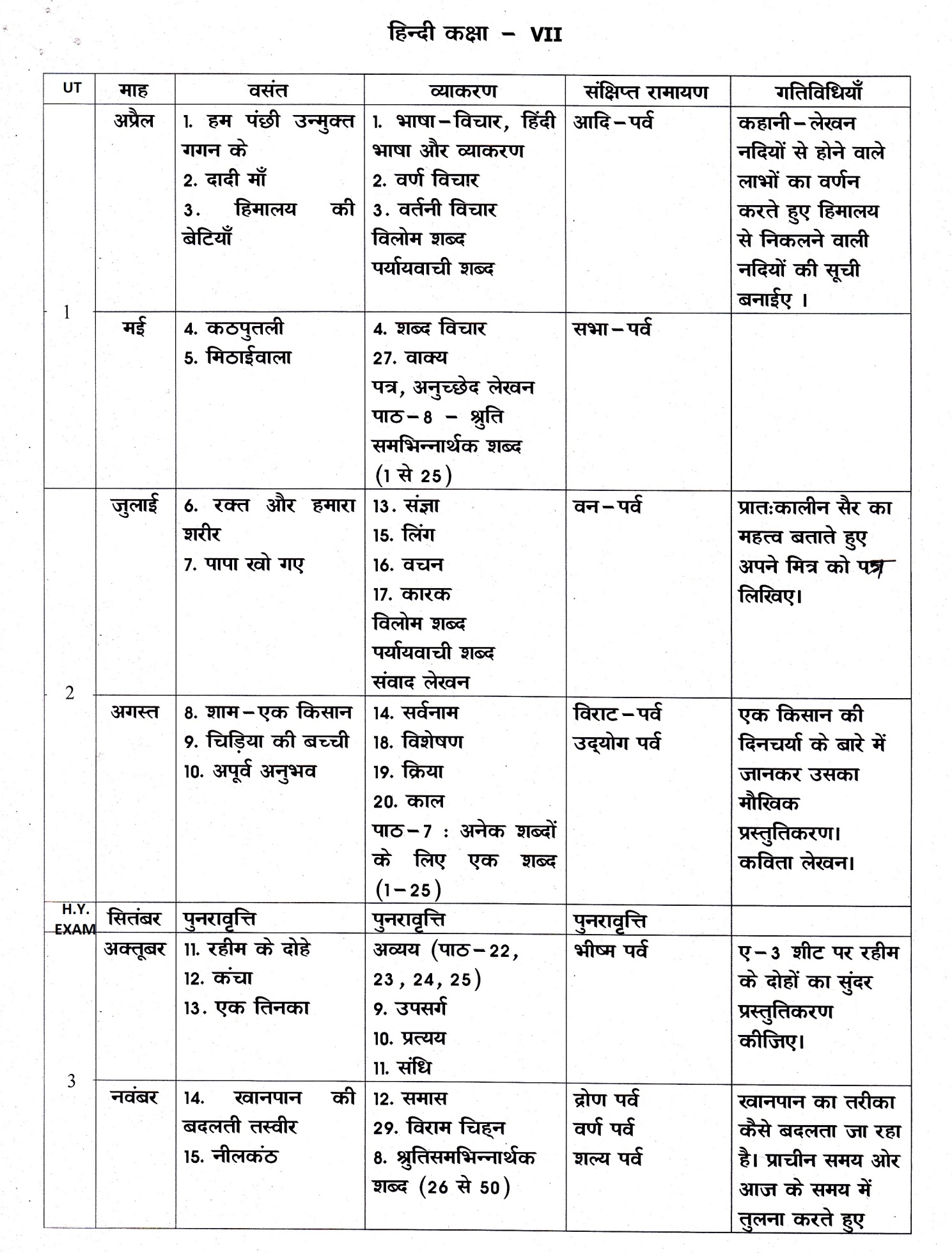
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| **UT** | **Month** | **Reader** | **Activity** |
| I | Apr.  -  May | **Ch-1:** Integers  Drill Ex. Pg. 1 to 9  **Ch-3:** Data Handling  Drill Ex. Pg. 26 to 33 | * Multiplication of fractions. |
| II | July  -  Aug. | **Ch-2:** Fractions & Decimals  Drill Ex. Pg. 10 to 25  **Ch-5:** Lines & Angles  Drill Ex. Pg. 40 to 48  **Ch-13:** Exponent & Powers  Drill Ex. Pg. 109 to 116  **Ch-9:** Rational Numbers  Drill Ex. Pg. 77 to 84 | * Vertically opposite angles. * Angle sum property of a triangle. |
| H.Y. | Sept. | **Ch-12:** Algebraic Expressions  Drill Ex. Pg. 99 to 108 | * Exterior & Interior angles of triangle (Inequality relation). |
| III | Oct.  -  Nov. | **Ch-6:** The Triangle & its Properties  Drill Ex. Pg. 49 to 56  **Ch-8:** Comparing Quantities  Drill Ex. Pg. 65 to 76 | * Exterior & Interior angles of triangle (Equality relation). |
| IV | Dec.  -  Jan. | **Ch-7:** Congruence of Triangles  Drill Ex. Pg. 57 to 64  **Ch-11:** Perimeter & Area  Drill Ex. Pg. 89 to 98  **Ch-4: S**imple Equation  Drill Ex. Pg. 34 to 39 | * Measure the dimensions of your text book & notebook & find its area & perimeter. . |
| F.Y. EXAM | Feb | **Ch-10:** Practical Geometry  Drill Ex. Pg. 85 to 88  **Revision** | **-** |

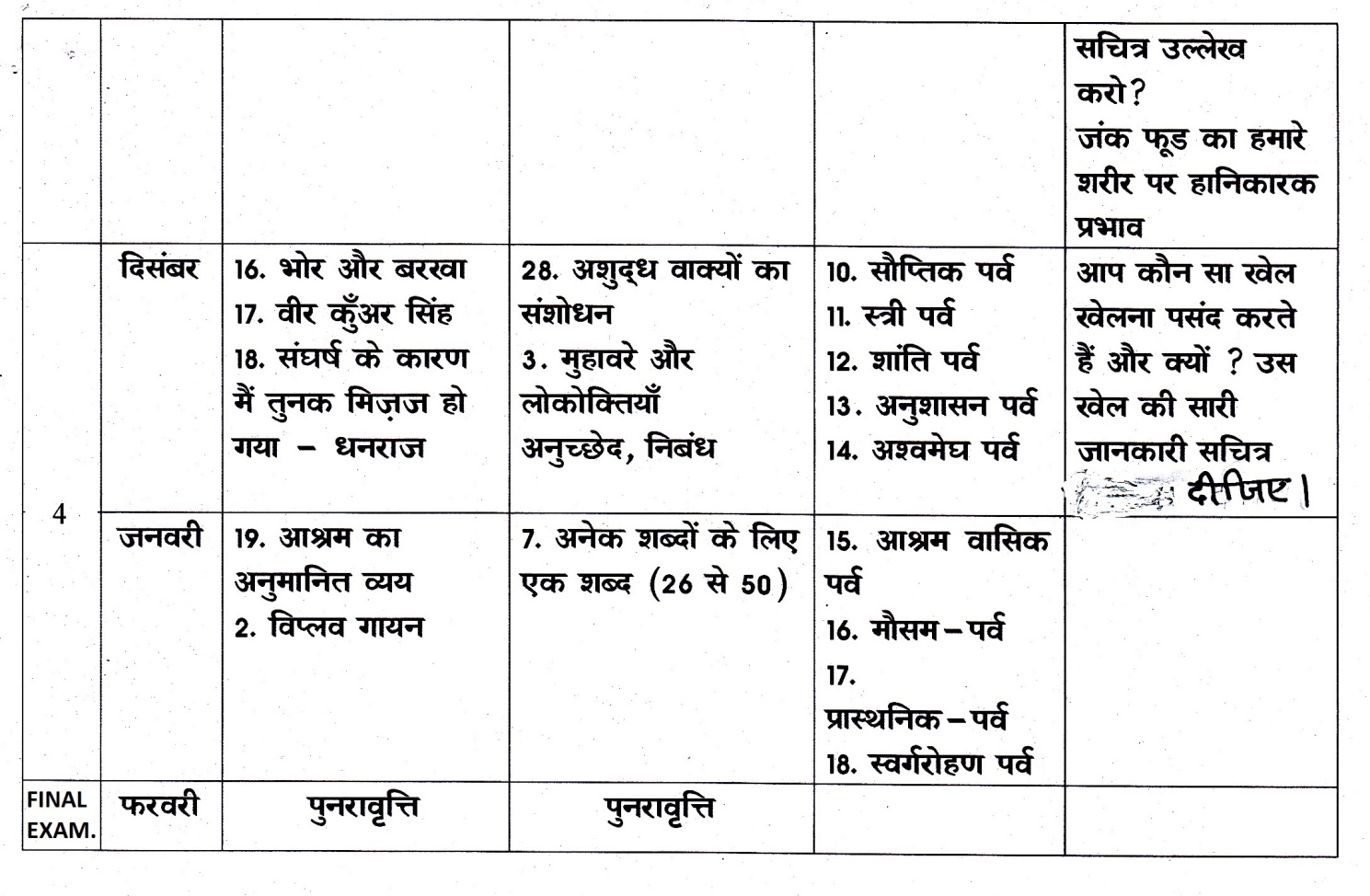
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| **SCIENCE** | | | |
| **UT** | **Month** | **Topic** | **Activity** |
| I | Apr. | **L-1:** Nutrition in Plants  **L-2:** Nutrition in Animals | * To show that chlorophyll is necessary for photosynthesis (Activity 1 as per pg. no. 7) |
| May | **L-14:** Heat and Temperature  **L-15:** Transfer of Heat | * To observe expansion in gases.   (Activity 3 as per pg. no. 153) |
| II | July | **L-5:** Acids, Bases & Salts  **L-7:** Soil  **L-8:** Respiration in Plants & Animals | - |
| Aug. | **L-12:** Electricity and Magnetism  **L-10:** Reproduction in Plants | * To make an electromagnet   (Activity 6 as per pg. no. 132) |
| H.Y. | Sep. | **L-4:** Chemical reactions | - |
| III | Oct. | **L-3:** Fiber to Fabric  **L-9:** Transportation of Materials  **L-16:** Water | * To show transpiration * (Activity -3 as per pg. no.87). |
| Nov. | **L-17:** Forests  **L-13:** Light and Reflection | * Make a Newton’s disc by using circular disc with seven colours. |
| IV | Dec. | **L-11**: Time and Motion  **L-7**: Weather,Climate and Adaptations  **L-19**: Winds & Storms | * To observe uniform & non-uniform   motion (Activity 5 & 6 as per pg. no. 121) |
| Jan. | **L-18**: Waste water Management | - |
|  | Feb. | **Revision & Final Year Exam.** | |

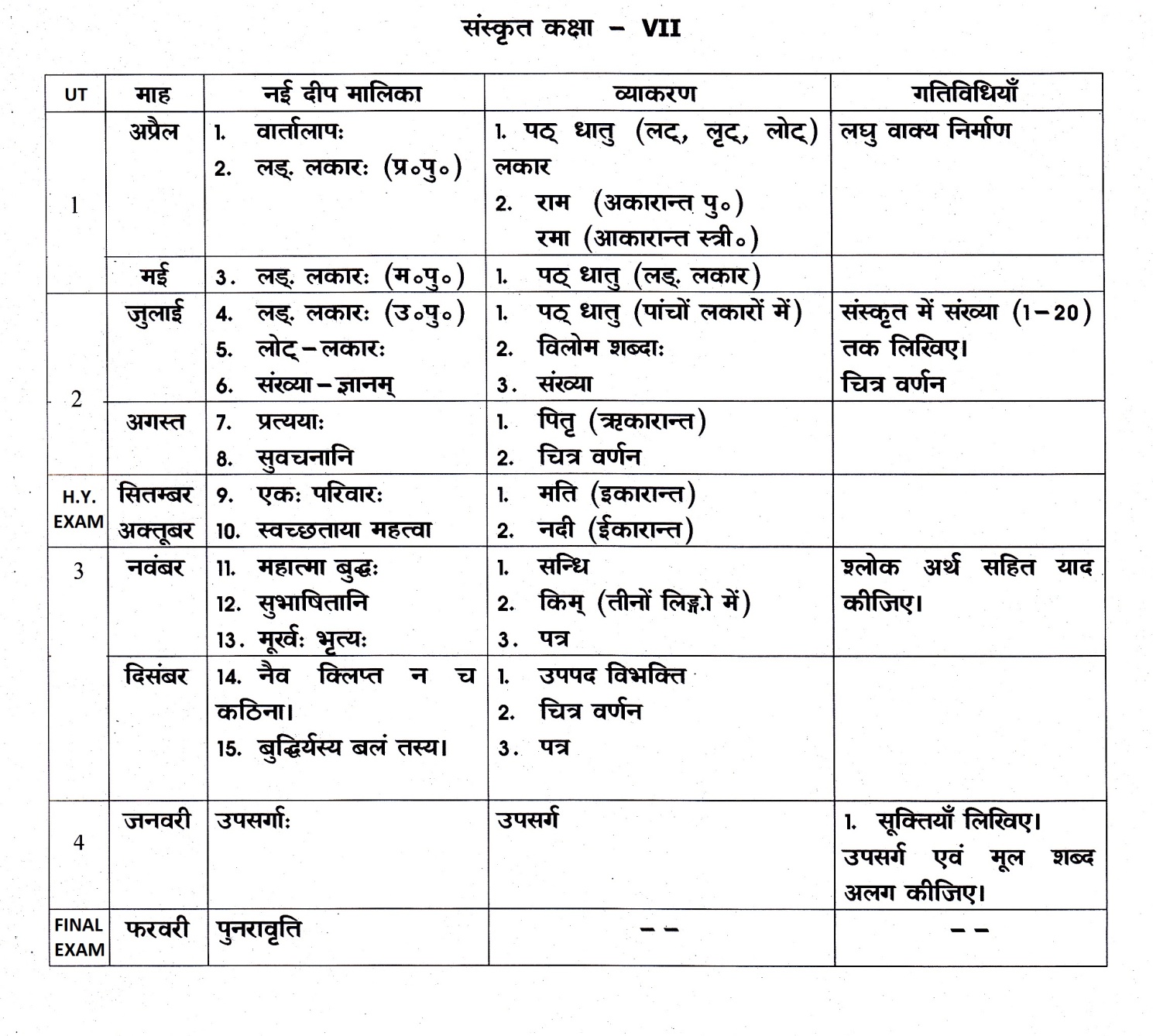
**SOCIAL SCIENCE**

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| **UT** | **Month** | **Topic** | **Activity** |
| I | Apr. | **H-1:** Tracing changes through a thousand years  **G-1:** Environment  **C-1:** Equality in Democracy | Map Skill: Mark states and capitals of India in the political map of India. |
| II | May | **H-2:** New Kings & Kingdoms  **G-2:** Inside our Earth | - |
|  | July | **C-2:** The State Government  **H-3:** The Delhi Sultanate  **G-10:** Life in the desert | - |
| Aug. | **H-4:** The Mughal Empire  **G-3:** Gender  **C-3:** Our Changing Earth | Map Work: Mark different areas occupied by ruler during Mughal period. |
| H.Y.  EXAM | Sept. | **G-5:** Air **H-7**:Tribes,Nomads and Settled Communities | - |
| III | Oct. | **H-8:** Devotional Paths to the Divine  **C-4:** Understanding Media & Advertising  **G-5:** Water | Prepare a social advertisement in group on any cause. |
| Nov. | **H-9:** The Making of Religion Cultures  **G-9:** Life in the Temperate Grasslands  **G-6:** Natural Vegetation & Wildlife | Map Skill: Mark different forests found in different parts of the world. |
| IV | Dec. | **H-10 : 18th** Century Political Formations  **C-5:** Markets  **G-7:** Human Environment Settlement, Transport & Communication | Map Work: Mark different states formed in the 18th Century on the political map of India. |
|  | Jan | **G-8:** Human Environment Interactions – The Tropical and the Sub -Tropical Region. | - |
| F.Y.  EXAM | Feb | **H-5** Rulers & Buildings | Revision |

**\* Note: 1. G- Geography 2. H- History 3. C- Civics**

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| **GENERAL KNOWLEDGE** | | | |
| **UT** | **Month** | **Topic** | **Activity** | |
| I | Apr. | **The Natural World**   * Lighten up – You live only once * Geo animals adapt * Geo wonders * Forest quest * How plants adapt * Threats to wildlife * Antarctic adventures * Kingdom of the ocean | * Paste pictures of any five extinct and endangered species and write a few lines on them. | |
| May | **Science & Technology**   * Indian scientists * Inventions * On the move * Science Quiz | - | |
| II | July | **Science & Technology**   * Branches of science * Space quiz * The chemistry of it * II Queries * Unique universe * 20th Century inventions | * Label and draw any five constellations on a black sheet and paste it in your notebook. | |
| Aug. | **Things Around Me**   * Environmental treats * Tackling garbage * Eco Crossword * Making recycled paper * Deadly disasters * Conserving water | Prepare poster on any one from the following topics:   * Conservation on of water * Segregation of waste | |
| H.Y.  EXAM | Sept. | **Numbers & Logical Skill**   * Brain teasers * Maths magic * Prickly magic | – | |
| III | Oct. | **Language & Literature, Legends**   * Mythical creatures * Story time * Book land * Language word search * Guess the words * Answering history | * Narrate any one moral story in the class. | |
| Nov. | **Sports**   * Counting on courage * Playing Hockey * Cricket Twenty 20 * Martial Arts * Game for Pool * Sports Stars | * Paste the picture of your favourite sports person and list his/her achievements. | |

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|  | Dec. | **The World Around Us**   * Most popular cities of the world * Tradition tour * Famous people * Castles & places * Ships ahoy * Famous explores * Tribes of India * Around the world * The United Nation * Parliaments of the world * Man-made wonders of the world * Business giants * Nobel woman * Governing systems * Lost cities * Famous trains * Talking 21st century * Knowing eastern India * Guess the brand | * Paste pictures of any five International festivals and write a few lines on them. |
|  | Jan. | **Mixed Bag**   * Quiz yourself 1 * Quiz yourself 2 * Quiz yourself 3 * Model test paper I & II | – |
|  | Feb. | **Revision & Final Year Exam.** | |

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|  | | **COMPUTER** | | |
|  | **Month** | | **Topic** | **Activity** |
| TERM 1 | Apr. | | Ch-1: Computer languages & Number system | Perform conversion operations on various binary numbers |
| May | | Ch-2: Knowing about operating system  R E V I | Paste pictures of different types of Operating system and their respective versions also  S I O N |
| July | | Ch-3: Window movie maker  Ch-4: Excel 2016 functions | Create a movie of your birthday celebration or any other celebration  Create a list of expenditure in MS-Excel |
| Aug. | | Ch-5: Advanced features of excel    R E V I | Evaluate the highest expenditure by using graphs    S I O N |
| Sep. | | Ch-6 : Animation with adobe flash(CS6) | create an animation showing bouncing of a ball |
| TERM -2 | Oct. | | Ch-7: Introduction to HTML | Design a small web page on your favourite sports person |
| Nov. | | Ch-7: Introduction to HTML(Contd.)  Ch-8: Introduction to Photoshop (CS6)  R E V I | Change the colour of shirt of a boy , print it and paste in your notebook with 4 different colours  S I O N |
| Dec. | | Ch-9: Cyber tools | Activity : Find about various types of security threats in major organizations |
| Jan. | | Ch-10:Cyber crimes & security | Activity : Find about various types of viruses and worms and write about their side effects |
| Feb.  March | | R E V I  F I N A L | S I O N  E X A M |

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| **ARTS & CRAFT** | | | |
| **Term** | **Month** | **Art** | **Craft** |
| Term – I | Apr. -  May | * Introduction of colours * Elements of art * Colour tone | * Waste material collage |
| July  -  Aug. | * + Drawing tool   + Colour theory   + Still life | * Canvas painting * Warli painting |
| Sep. | * Perspective view * Step drawing | * C D craft. |
| T e r m - III | Oct.  -  Nov. | * Portrait * Henna & tattoo art * Awareness poster | * Canvas rangoli * Glass painting. |
| Dec.  -  Jan. | * Human anatomy * Geometrical composition * Folk & tribal art | * Fabric painting. |
| Feb. | * Different styles of calligraphy. | |