**Columbia Foundation School**

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

**SYLLABUS : (2019-20)**

***Class – VIII***

**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- VIII**

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| **UT** | **Month** | **Reader** | **Grammar** | **Supple mentary** | **Activity** |
| I | Apr. | **Unit-1:** Roads Less Taken  **Sec. 1:** Around the World in 254 days  **Sec.2:** Adventure is a Way of Life | **L- 1:** Determiners  **L-2:** Verbs: Expressing the Present  **L-27:** Paragraph writing | **L– 1, 2** | * Make a diary entry describing how you **felt** when you went on a trekking expedition recently with your friends. |
| May | **Sec. 3:** The things that haven’t been done before | **L-3:** Verbs: Expressing the Past  **L-20:** Words often Confused  **L-22:** Synonyms & Antonyms | **L - 3** | **-** |
| II | July | **Unit 2:** Wit and Humour  **Sec.1:** Cookies  **Sec.2:** The CanterviIlle Ghost  **Sec.3:**The Muddle - Head | **L- 4:** Verbs: Expressing the Future  **L-5:** Modals  **L-28:** Message Writing | **L - 4,5** | * Image that you are the stranger in the story “Cookies”. * Write a letter to your friend describing your unusual experience at the railway station |
| Aug. | **Unit 3:** **Trust & Care**  **Sec1 :** The Doctor’s Word  **Sec2 :** Dusk  **Sec3 :** Sympathy | **L-6:** Verbs: Conditionals  **L-7:** Verbs: Non – Finite Forms  **L-25:** Reading Comprehension  **L-30:** Letter Writing (Informal) | **L - 6,7,8** | * Taking a leap of faith & trusting someone is the boldest thing you can do. Pen down your feelings in the form of an inspirational story of trust & care. |
| H.Y.  Exam | Sept. | **Unit 4:** Passion for Sports  **Sec.-1 :** The Sisterhood of Wrestlers | **L-8:** Voice: Active & Passive  **L-22:** Synonyms & Antonyms  **L-34:** Essay Writing | **L-9,10, 11** | **-** |
| III | Oct. | **Sec.2:**  Ageless Wonder  **Sec.3:**  The Ants at the Olympics | **L-9:** Comparisons  **L-10:** Adverbs  **L-20:** Words often Confused  **L-29:** Notice Writing | **L-12,13** | * Write a bio- sketch of Leander Paes, the great tennis players with the help of given clues. |
| Nov. | **Unit-5:** Science Fiction  **Sec.1:** Gremlins  **Sec.2:** The Book that Save the Earth | **L-11:** Prepositions  **L-12:** Conjunctions  **L-30:** Letter Writing (Formal) | **L-14,15** | * Prepare a colourful poster related to any one scientific fact on A3 size sheet. |
| IV | Dec. | **Sec-3:** Sailing Out to Space  **Unit-6:**Social Equality  **Sec-1:** Jamaican, Fragment  **Sec.2:** The Thakur’s Well | **L-13:** Phrases & Clauses  **L-17:** Direct & Indirect Speech  **L-19:** Integrated Grammar Practice  **L-25:**Reading Comprehension | **L-16,17** | **-** |
| Jan. | **Sec.3:** We Are All Equal | **L-27:** Paragraph Writing  **L-31:** Story Writing | **L-18,19** | * Write a poem using your imagination on “Equality” on the basis of given clues. |
|  | Feb | **Revision & Final Year Exam.** | | | |

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| **SCIENCE** | | | |
| **UT** | **Month** | **Topic** | **Activity** |
| I | Apr. | **Ch-1:** Production and Management of Crops  **Ch-16:** Conservation of Flora & Fauna | Collect information and pictures of 5 endangered and extinct species. |
| May | **Ch-2:** Microorganism | To obtain curd by setting milk. (Activity -3 as per pg no.23). |
| II | July | **Ch-3:** Synthetic Material  **Ch-9:** Force & Pressure  **L-10:** Friction | * Collect all natural and synthetic fibers, identify them, write their uses and paste them in notebook. |
| Aug. | **Ch-17:** Natural Phenomena  **Ch-14:** The Universe | - |
| H.Y. | Sep. | **L-15:** Pollution in Environment | - |
| III | Oct. | **Ch-5:** Combustion and Fuels  **Ch-7:** Reproduction in Animals  **Ch-10:** Reaching the Age of Adolescence | * To study the presence of unburnt carbon particles in luminous zone of the candle (Activity 4 as per pg. no.68) |
| Nov. | **L-4:** Metal and Non-metal  **L-16:** Light & Reflection | * To obtain a spectrum on the wall of a room (activity -4 as per pg. o.169) |
| IV | Dec. | **L-8**: Cell – Structure & Function  **L-13**: Sound | - |
| Jan. | **L-12**: Chemical Effects of Electric Current | * To understand the conductivity of water (Activity as per pg. no.157) |
|  | Feb. | **Revision & Final Year Exam.** | |

**MATHS**

**Book: NCER**

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| **UT** | **Month** | **Topic** | **Activity** |
| I | Apr.  -  May | **Ch-1:** Rational Numbers  **Drill Ex.** : Pg. 1 - 9  **Ch-12:** Exponents & Powers  **Drill Ex.** : Pg. 94 -100  **Ch-6:** Square & Square Root  **Drill Ex.** : Pg. 40 - 47 | * Laws of Exponent by paper folding. |
| II | July  Aug. | **Ch-7:** Cubes & Cubes Root  **Drill Ex.** : Pg. 48 - 50  **Ch-2:** Linear Equations in one variable  **Ch- 2:** Linear Equation in 1 variable (Condt…)  **Drill Ex.** : Pg. 10 - 15  **Ch- 9:** Algebraic Expression & Identities  **Drill Ex.** : Pg. 64 - 71  **Ch- 15:** Introduction to Graph  **Drill Ex.** : Pg. 111 - 116 | * Algebraic Identity   (a+b)2=a2+b2+2ab |
| H.Y.  Exam. | Sept. | **Ch- 16:** Playing with number  **Drill Ex.** : Pg. 117 – 122 | * Algebraic Identity   a2 - b2 = (a + b) (a - b) |
| III | Oct.  Nov. | **Ch- 8:** Comparing Quantities  **Drill Ex.** : Pg. 51 - 63  **Ch-5:** Data Handling  **Drill Ex.** : Pg. 30 – 39  **Ch- 11:** Mensuration  **Drill Ex.** : Pg. 84 – 93  **Ch- 13:** Direct & Inverse Variation  **Drill Ex.** : Pg. 101 – 105 | * Diagonals of a parallelogram bisect each other. |
| IV | Dec. | **Ch- 14:** Factorization  **Drill Ex.** : Pg. 106 – 110  **Ch- 10:** Visualising Solid Shapes  **Drill Ex.** : Pg. 72 – 83 | * Angle sum property of Quadrilateral |
|  | Jan. | **Ch-3:** Understanding Quadrilateral  **Drill Ex.** : Pg. 16 – 27  **Ch-4:** Practical Geometry  **Drill Ex.** : Pg. 28 – 29 | - |
| F.Y. | Feb. | **Ch-4:** Contd… Revision | - |

**SOCIAL SCIENCE**

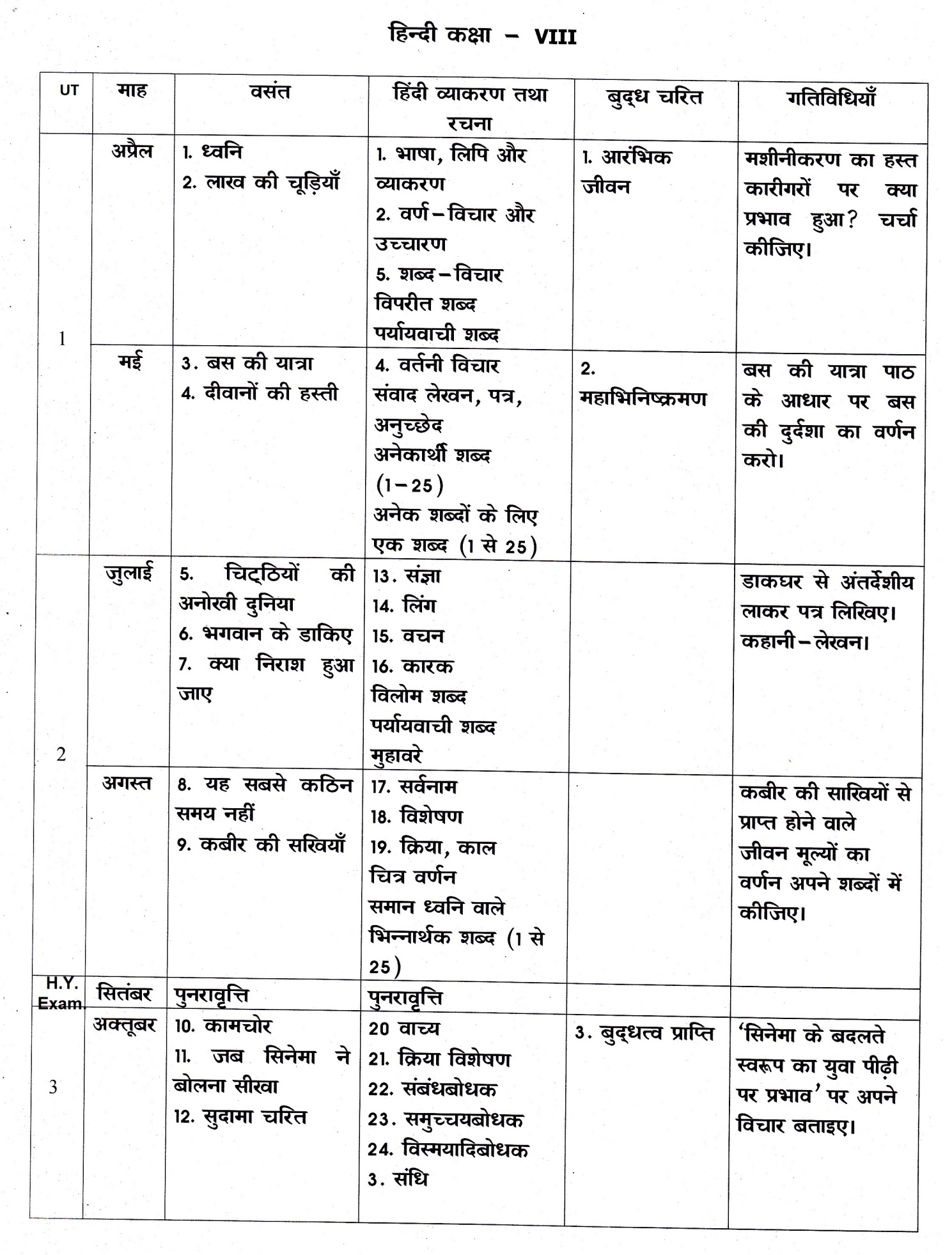
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| **UT** | **Month** | **Topic** | **Activity** |
| I | Apr. | **H-1:** How, When and Where  **G-1:** Resources  **C-1:** The Indian Constitution & Secularism | - |
| II | May | **G-2:** Land, Soil, Water, Natural Vegetation & Wildlife  **H-2:** From Trade to Territory | On the map of India mark the states that:  a). Joined the Subsidiary Alliance.  b). Annexed on the basis of Doctrine of Lapse. |
|  | July | **C-2:** The Parliament and the making of laws  **H-3:** Ruling the country side | - |
| Aug. | **G-3:** Minerals & Power Resources  **H-5:** When People Rebel | * Map Skill- Mark the places where tribal rebellions took place. |
| H.Y. | Sept. | **C-3:** The Judiciary  **H-6:** Colonialism and the City | - |
| III | Oct. | **G-4:** Agriculture  **C-4:** Social Justice & the Marginalized  **H-7:** Weavers, Iron Smelters & Factory Owners | * Map skill – Mark the following on the world map. * (a) Two leading states producing cotton rice, jute, tea, coffee, maize etc. |
| Nov. | **H-9:** Women, Caste & Reform  **H-8:** Civilizing the “Native”, Educating the Nation” |
| IV | Dec. | **G-5:** Industries  **H-11:** The making of the National Movement  **C-5:**Economic Presence of the Govt. | * Map skill – Mark the following on the world map.   (a) Two leading states producing iron ore.  (b) states where bauxite, copper, limestone, gold ,salt and manganese are found. |
|  | Jan | **H-12:** India After Independence  **G-6:** Human Resources | - |
|  | Feb | **Revision** & Final Year Exam. | |

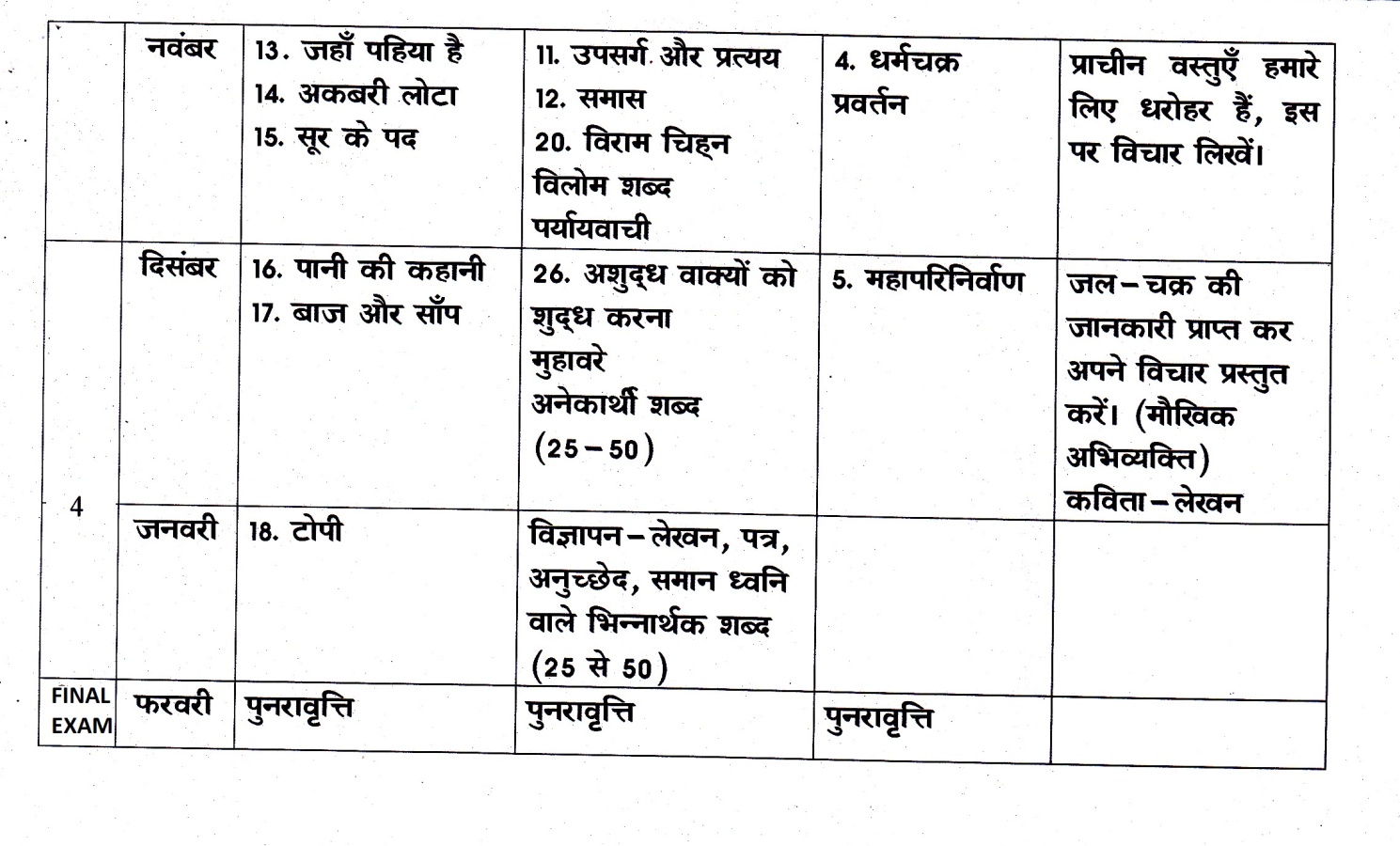
**\* Note : 1. G- Geography 2. H- History 3. C- Civics**

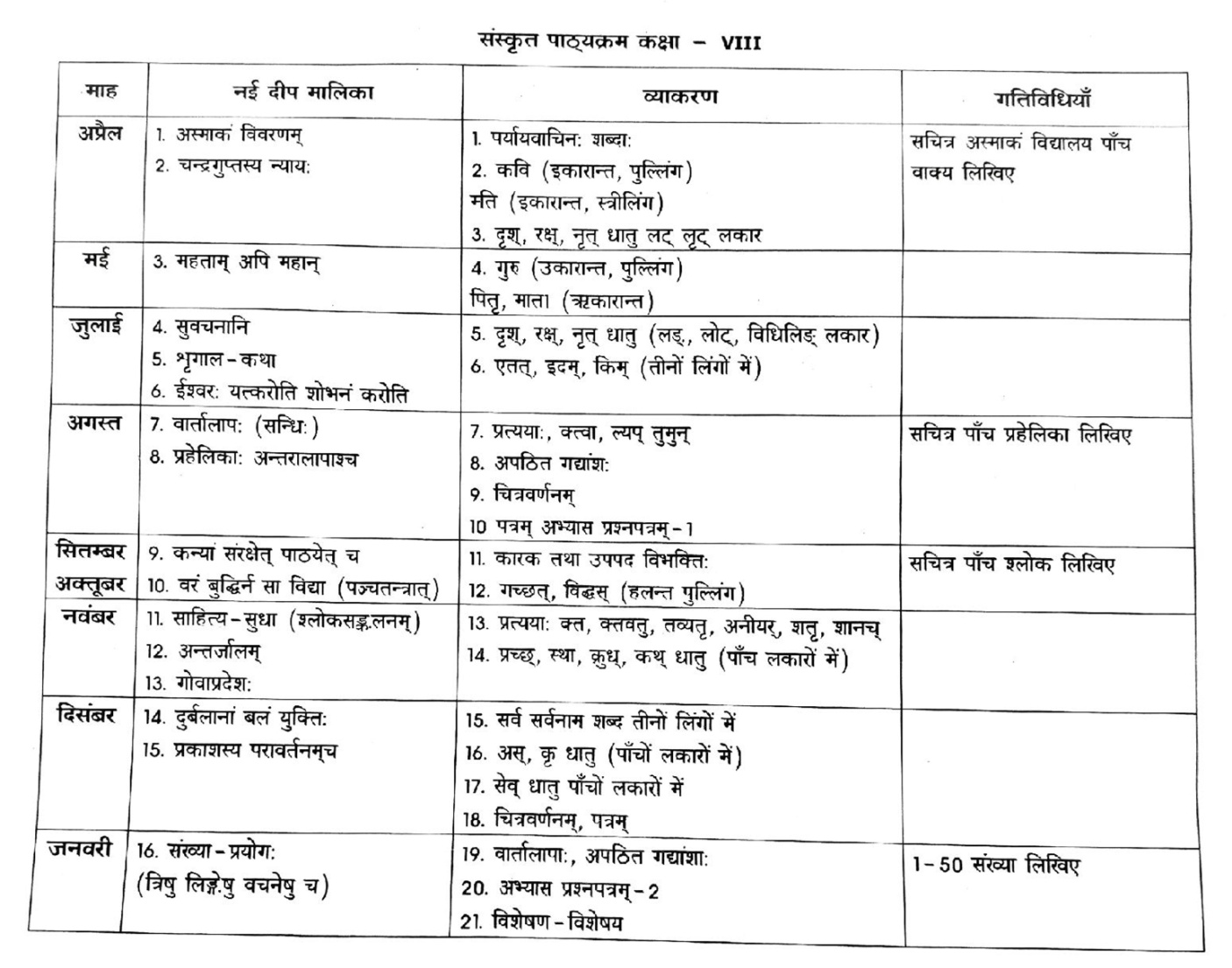
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| **GENERAL KNOWLEDGE** | | | |
| **UT** | **Month** | **Topic** | **Activity** | |
| I | Apr. | **The Natural World**  The mighty dinosaurs  Life in the Desert  Mountains of Smoke & Fire  Unique Animals  Majestic Wonders of the World  Unique Trees | Collect information about unique animals and plants. Also paste the pictures. | |
| May | **Science and Technology**  Awesome body facts in your genes  Plugged in Robotics  On a Science Track  Medical Discoveries  Insect Myths | Gather information about 5 Indian scientists along with their achievements. | |
| II | July | **Technology Today**  Hybrid Cars  Recognizing Common Diseases in Space  Net Savy  Things Around Me  Towards a Greener Earth  Talking About Money | - | |
| Aug. | Points to Ponder  Know your games  Our changing world  River & Lakes that can kill | Find out about some of the most dangerous rivers and lakes in the world and write about their causes. | |
| H.Y.  Exam | Sept. | **Numbers and Logical Skills**  Time to be logical  Mind – Bogglers  Puzzles  Try Logic | * Quiz will be conducted. | |
| III | Oct. | **Language and Literature**  The Dog and the Wolf  Time to Expand your Vocabulary  More than just stories  Travelling tales  Famous Indian Authors  **Arts and Music**  and the Oscar goes to…  Bringing fantasy alive  Traditional Music Instruments | * Make a pocket dictionary of atleast 15 new words along with their meaning. | |
| Nov. | Making a Zoetrope  Photo finish  Artists and their arts  Greatest Villains  **Sports**  Sports Legends  Football Clubs of the World  Basketball Drills | * Write about your favourite sports persons along with his picture. | |
| IV | Dec. | **The World Around Us**  Out of this World  Ruling the World  In the 20th Century  Traditional foods of the world union territories of India  Women of substance  Global Indian achievers | - | |
| Jan. | **The World Around Us**  Currency wise  Cities with a glorious past  Visiting the northeast  Stories in Sculpture  Architectural feasts  The Country’s Shield  Flora and Fauna of Indian States  Andaman and Nicobar Island | Quiz will be conducted. | |
|  | Feb. | **Revision & Final Year Exam.** | | |

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|  | | **COMPUTER - VIII** | | |
|  | **Month** | | **Topic** | **Activity** |
| TERM 1 | Apr | | Ch-1: Introduction to computer network | Paste all pictures of LAN, MAN, WAN, WLAN |
| May | | Ch-2: Database management system  R E V I | Paste pictures of MS access, Oracle, SQL logo  S I O N |
| July | | Ch-3: Introduction to MS access 2016  Ch-4: Creating tables with Ms access 2016 | Activity: Make database of your friends  Practical: Modify your friend’s table by applying various data types on fields |
| Aug | | Ch-5: Working with forms, Queries & Reports  R E V I | Create forms for entering details of your friends      S I O N |
| Sep | | Ch-6 : Introduction to visual basic 2015  R E V I | Create a visual basic form for pizza hut delivery system    S I O N |
| TERM -2 | Oct | | Ch-7: Understanding events | Apply events like mouse click on the form |
| Nov | | Ch-7: Understanding events (contd.)  Ch-8: Programming with visual basic 2015  R E V I | Create ON OFF form on visual basic with the help of events  Create colour changing buttons on visual basic with the help of events.  S I O N |
| Dec | | Ch-9: Web page publishing with HTML  Ch-9: Web page publishing with HTML  (contd.) | Design a small web page on your favorite sports person |
| Jan | | Ch-10:Image editing with photoshop (CS6) | Practical: Change the colour of shirt of a boy, print it and paste in your notebook with 4 different colours. |
| 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 colour * Elements of art | * Craft with waste cardboard. |
| July  Aug. | * Nature study * Geometrical composition * Object composition | * C D craft. |
| Sep. | * Landscape * Human anatomy | * Tie & die on table cloth |
| T e r m - III | Oct.  Nov. | * Portrait * Awareness Poster * Tattoo art | * Puja thail decoration * Patchitra painting |
| Dec.  -  Jan. | * Folk art * Tribal art | * New year card with quelling. |
| Feb. | * Different styles of calligraphy. | |

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