



**ARMY PUBLIC SCHOOL RATNUCHAK**  
**SUBJECT ENRICHMENT ACTIVITY**  
**SESSION 2021-22**  
**CLASS VI**

**ENGLISH**

1. Create a quiz (at least 10 questions) out of the lesson “How the Dog found its New Master” on a colored sheet and paste it on your scrapbook. Also, make an answer key to the questions. (10marks)
2. Collect random pictures of your friends, family, or pets depicting nouns and their types. Create an album, paste the pictures in scrapbook and also write few lines under each picture. (15 marks)
3. Practice worksheets
4. Revise syllabus of PT-I

**HINDI**

क. नीचे कुछ पक्षियों के नाम दिए गए हैं, उनमें यदि कोई पक्षी एक से अधिक रंग का है तो लिखो, कि उसके किस हिस्से का रंग कैसा होता है। जैसे तोते की चोंच लाल है, शरीर हरा है। 10

- मैना
- कौआ
- बतखें
- कबूतर

ख. अपने बचपन की कोई मनमोहक घटना याद करके विस्तार से लिखो। 10

ग. व्याकरण की पुस्तक में से 1 से 10 तक मुहावरों के अर्थ लिखकर वाक्य बनाएं व याद करें। 5

**MATHS**

Q1. Without actually checking the factors of a number, find prime numbers from **1 to 100** by the method given by mathematician Eratosthenes. Draw the table and write steps included.

**SCIENCE**

1. Prepare a good quality mask (double layer of cloth should be used) for you and your family from the material available at your home.
2. Prepare a pamphlet carrying do's and don't's during the pandemic situation in our region due to covid-19 with pictures. (you can draw pictures or take cutting from newspapers/ magazines)
3. Find out any three different plants that grow in water and their parts eaten as food. Paste /draw pictures also.

**SOCIAL SCIENCE**

Draw a diagram of solar system on a chart paper and name the planets and other heavenly bodies. Also mention their distance from the sun.

**OR**

Draw a political map of India on a chart paper and mention the different states and union territories along with their famous cultures.

**SANSKRIT**

1. पाठे दत्वा चित्राणि दृष्ट्वा पञ्च पुल्लिङ्गे स्त्रीलिङ्गे च संस्कृत नामानि लिखन्तु ( चित्र सहितम्) 10

2.बालक एवं बालिका शब्दरूपं लेखनं स्मरणं च | 10

3.सर्वनाम शब्द लेखनं स्मरणं च | 5

### **COMPUTER**

Create a list of different hardware components of computer in Microsoft Word. Explain any one hardware device and write the procedure to maintain it.

**Note: All subject note books to be completed and revise PT-I syllabus.**



**ARMY PUBLIC SCHOOL RATNUCHAK**  
**SUBJECT ENRICHMENT ACTIVITY**  
**SESSION 2021-22**  
**CLASS VII**

**ENGLISH**

1. As the Sports Captain of A.P.S Coimbatore, draft a notice of not more than 50 words asking the students of your school to participate in the **Inter-School Kai-Pudi Competition** which happens to be the state sport of Tamil Nadu, popularly known as kabaddi. **(10 marks)**
2. Imagine you are the narrator in the story Bringing Up Kari, pen down your adventures with your mischievous elephant friend in the form of an informal letter written to your grandmother. Try to find one real inland letter with a stamp to write this fictional letter. **(15marks)**
3. Practice worksheets
4. Revise syllabus of PT-I

**HINDI**

क. कई लोग पक्षी पालते हैं

(क) पक्षियों को पालना उचित है अथवा नहीं? अपने विचार लिखिए।

(ख) क्या आपने या आपकी जानकारी में किसी ने कभी कोई पक्षी पाला है? उसकी देखरेख किस प्रकार की जाती होगी, लिखिए। 10

ख. अपने-अपने मौसम की अपनी-अपनी बातें होती हैं लेखक के इस कथन के अनुसार, यह बताइए कि किस मौसम में कौन-कौन सी चीजें विशेष रूप से मिलती हैं?

10

ग. व्याकरण की पुस्तक में 1 से 10 तक अनेक शब्दों के लिए एक शब्द लिखें व याद करें। 5

**MATHS**

Prove the associative property  $a+(b+c) = (a+b)+c$  using number Line

Given  $a= -3$ ,  $b= -2$  and  $c=-5$ .

**SCIENCE**

1. Prepare a good quality mask (double layer of cloth should be used) for you and your family from the material available at your home.

2. Activity to demonstrate chemical change at home and to understand and recognize the release of carbon dioxide gas.

Take about teaspoonful of vinegar in a bowl and add to it a pinch of baking soda. You would hear a hissing sound and see the bubbles of gas coming out. This is carbon dioxide and you have performed the following chemical reaction:

Vinegar (Acetic Acid) + Baking Soda  $\rightarrow$  Sodiumhydrogencarbonate + Carbon Dioxide

Record your video or click the picture while performing this activity and prepare a report on the same.

3. Activity to demonstrate the soil profiling.

Take a little soil. Break the clumps with your hand to powder it. Now take a glass tumbler, three quarters filled with water and then add a handful of soil to it. Stir well and let it stand undisturbed for some times do you see layers of particles of different sizes in the glass tumbler? Draw a diagram showing these layers. Also click the picture and attach the same.

## **SOCIAL SCIENCE**

Name a Historical Monument that fascinates you. Find out when it was built and by whom. Collect and paste the pictures of the Monument and also describes its highlighting architecture.

**OR**

Make a Dictionary of History by choosing the historical terms/ words from your book along with their meanings. (Minimum 50 words)

## **SANSKRIT**

1.अस्माकं राष्ट्रीय प्रतीकान् विषये लेखनं स्मरणं च चित्र सहितम् | 10

2.स्व परिचयं लेखनम् | 10

3.कारक | 5

## **COMPUTER**

Create a Microsoft word file and explain any five different software.

**Note: All subject note books to be completed and revise PT-I syllabus.**



**ARMY PUBLIC SCHOOL RATNUCHAK**  
**SUBJECT ENRICHMENT ACTIVITY**  
**SESSION 2021-22**  
**CLASS VIII**

**ENGLISH**

1. You recently read about survival stories in your 2<sup>nd</sup> chapter-Tsunami. Study the geographical setting of Tamil Nadu and **write an article** about the deadly disasters that took place in Tamil Nadu in the last 60 yrs. **Draw/paste a picture of the disasters to make it impressive. You can also show a graph of disasters over the years.** (10 marks)

2. Bharatnatyam is the folk dance of Tamil Nadu. Paste a picture of **Rukmini Devi Arundale** –an Indian classical dancer who led the renaissance of the ‘Bharatnatyam’ dance form and founded the Kalakshetra Foundation in Madras (now Chennai). Write a **biographical sketch** on her by working on the hints provided.

Also, make a collage of important highlights from her life and paste it around your bio-sketch

**HINTS:**

**BORN-** 29 February 1904 in Madurai, India (Upper-class Brahmin family)

**FATHER-** Neelakanta Sastri, engineer & scholar

**MOTHER-** Seshammal, music enthusiast

**MARRIED-** Prominent British theosophist Dr. George Arundale in 1920

**CAREER-**

- following marriage traveled the world
- President of the All-India Federation of Young Theosophists in 1923 and the President of the World Federation of Young Theosophists in 1925.
- Inspired by Pavlova- learnt ballet under the dancer Cleo Nordi.
- turned towards Bharatnatyam on Pavlova’s advice
- At 30 started learning Bharatnatyam dance first from 'Mylapore Gowri Amma', and later from 'Pandanalur Meenakshi Sundaram Pillai'
- An animal rights activist, The Animal Welfare Board of India was set up in 1962.

**REVAMPING THE DANCE FORM INTO MODERN AVTAR-**

- defended the art of Bharatnatyam which was called and considered as a ‘vulgar art’
- introduced musical instruments like violin, designed costumes and jewelry
- established set and lighting design elements
- establish Kalakshetra, an academy of dance and music at Adyar, near Chennai

**ACHIEVEMENTS-**

- Padma Bhushan, 1956
- The Sangeet Natak Akademi Puraskar (Akademi Award), 1967
- ‘Prani Mitra’ award in 1968 for her work as an animal rights activist

**DEATH-** 24 February 1986 in Chennai, at the age of 82.

(10 marks)

3. The story “CHILDREN AT WORK” draws our attention to the evil of child labor. Make a poster on “**STOP CHILD LABOUR**” and add catchy slogans to support your poster.

(05 marks)

4. Practice worksheets

5. Revise syllabus of PT-I

**HINDI**

क. वसंत ऋतू में आने वाले त्योहारों के विषय में जानकारी एकत्र कीजिए और किसी एक त्योहार पर निबंध लिखिए।

10

ख. आपने मेले-बाजार आदि में हाथ से बनी चीजों को बिकते देखा होगा आपके मन में किसी चीज को बनाने की कला सीखने की इच्छा हुई हो और आपने कोई कारीगरी सीखने का प्रयास किया हो तो उसके विषय में लिखिए।

10

### **MATHS**

Represent the following rational number on number line:

11/11, -9/11, -7/11, -5/11, 5/11 and 7/11.

### **SCIENCE**

1. Prepare a good quality mask (double layer of cloth should be used) for you and your family from the material available at your home.

2. World Environment Day Is celebrated on 5th June. Theme for this year is “Ecosystem Restoration”. Prepare a creative poster on this theme or design a logo. Your poster/logo should be covering the theme “Ecosystem Restoration”.

3. Collect atleast five different types of seeds and put them in small bags. Attach these bags in an herbarium file and label them:

Name of Plant

Type of soil required for growth

Suitable climatic conditions of growth

Medicinal/Aesthetic Value

### **SOCIAL SCIENCE**

After the conquest of Bengal, Calcutta grew from a small village to a big city. Find out about the culture, architecture and the life of European and Indians of the city during the colonial period.

Make a chart on Fundamental Rights given by the constitution of India with full description.

**OR**

Make a poster on water conservation. Suggest at least five ways to conserve water and also write about the benefits of water conservation.

### **SANSKRIT**

1. भारतीय संस्कृतये षोडश-संस्करानां नामानि लिखत | 10

2. संस्कृत साहित्ये प्रसिद्ध पञ्च कविनां नामानि एवं रचनाद्वयं लिखन्तु | 10

3. अव्यय शब्दस्य परिभाषा लिखित्वा कोऽपि विंशतिः अव्यय पदं लिखत् | 5

### **COMPUTER**

Create a Microsoft Power Point Presentation on e-Commerce.

Note: - Maximum Slides=10

**Note: All subject note books to be completed and revise PT-I syllabus.**



**ARMY PUBLIC SCHOOL RATNUCHAK**  
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**CLASS IX**

**ENGLISH**

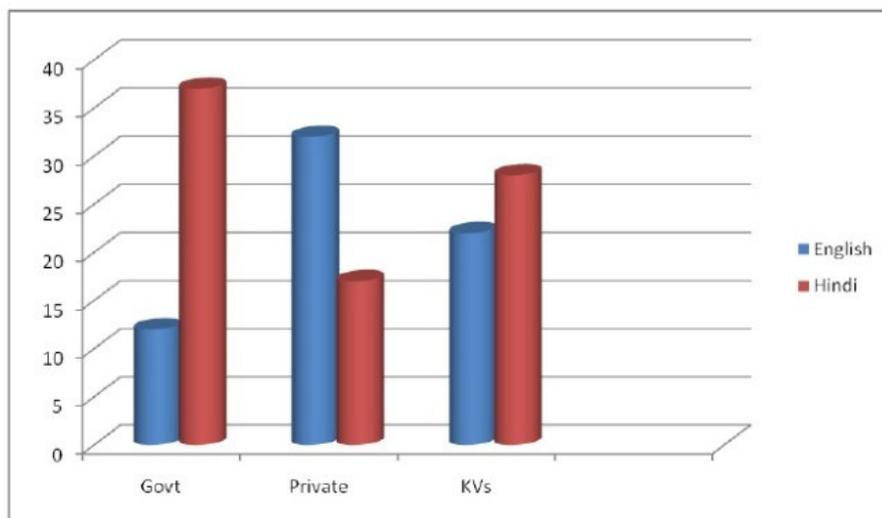
1. **DICTIONARY**- A book or electronic resource that lists the words of a language and gives their meaning, or gives the equivalent words in a different language, often also providing information about pronunciation, origin, and usage.

Maintain a dictionary by reading an English Newspaper and watch your favourite show. Take note of the new words(atleast10) that you see and hear and pen down those words on your notebook along with their meanings and two sentences each. **(05Marks)**

2. Poetry is a form of literature that uses aesthetic and often rhythmic qualities of language—such as phonaesthetics, sound symbolism, and metre—to evoke meanings in addition to, or in place of, the prosaic ostensible meaning. Convert the prose of NCERT Book ‘The Sound of music’ – Evelyn Glennie into a creative poem. The poem should include all the aspects of Evelyn’s journey from being a non-entity to an epitome of inspiration for all other children like her. It should be of 4 stanzas. **(04Marks)**

3. An analytical paragraph is a form of descriptive writing which is written on the basis of a given chart, graph, data, outline, clues, table etc. It requires analysis and comparison of the given facts and drawing conclusion based on the given data.

Study the graph given below. The chart depicts the number of students of class tenth speaking English and Hindi in three different types of schools in New Delhi. Based on the details given in the bar-graph given below, write an analytical paragraph in 100-120 words. Do not add any extra information.**(05Marks)**



4. Though there is a movement like ‘Sarvashiksha Abhiyan’ and enrolling of underprivileged children in schools, there are still many children, who do not go to school, rather have never seen a school. It is indeed disturbing. You decide to write a letter to the editor of a newspaper expressing your views and the steps to be taken. **(04 Marks)**

5. Create your own diary in which you will write daily about one of your virtuous act which you will do like helping your mother, helping physically disable people or underprivileged. (80-100 words)

**(04 Marks)**

6. Complete the Grammar exercise on Tenses and Subject-verb agreement (Two exercises each)

7. Practice worksheets
8. Revise syllabus of PT-I

**HINDI**

- क. 'दुख का अधिकार' पाठ में किस सामाजिक बुराई की ओर संकेत किया गया है? इसके कारणों पर प्रकाश डालते हुए इससे होने वाली हानियों का भी उल्लेख कीजिये। 10
- ख. आज की पपरिस्थितियों में रहीम के दोहे कितने प्रासंगिक हैं? किन्हीं दो उदाहरणों के माध्यम से स्पष्ट कीजिए। 10
- ग. अनुस्वार और अनुनासिक का प्रयोग करते हुए १०-१० शब्द लिखे 5

**MATHS**

Q1. Represent  $\sqrt{17}$  on number line using spiral method.

**SCIENCE**

1. Prepare a good quality mask (double layer of cloth should be used) for you and your family from the material available at your home
2. Prepare a video/ppt of yourself Showing and explaining the process of exosmosis and endosmosis by placing a potato in Hypotonic solution, hypertonic solution and isotonic solution.
3. Complete your practical Manual work.

**SOCIAL SCIENCE**

Write a report on different types of existing governments around the world and in history. Compare the decision-making process in democratic countries with non-democratic countries.

**OR**

Write a report on the central location of India at the head of the Indian Ocean is considered of great significance.

**Note: All subject note books to be completed and revise PT-I syllabus.**



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**CLASS X**

**ENGLISH**

1. Read the story by visiting the link given in the box. Write a 'REVIEW' about what did you learn from the story and how this story inspires you to face difficulties in life (to be done on a ruled sheet). As we all know that the whole world is facing a grave challenge in the form of COVID- 19. You must be anxious and would like to know more about it. This story will help you understand and come to terms with COVID-19. It has been produced by a collaboration of more than 50 organizations working in the humanitarian sector, including the World Health Organization, the United Nations Children's Fund, the United Nations High Commissioner for Refugees, the International Federation of Red Cross, and Red Crescent Societies and Saves the Children. With the help of a fantasy creature, Ario, "My Hero is You, How children can fight COVID-19!" explains how children can protect themselves, their families, and friends from coronavirus and how to manage difficult emotions when confronted with a new and rapidly changing reality.

**(04marks)**

<https://interagencystandingcommittee.org/system/files/2020-04/My%20Hero%20is%20You%2C%20Storybook%20for%20Children%20on%20COVID-19.pdf>

2. Write analytical writing in about (100-120 words) talking references from the pdf link below which shows results from the National Achievement Surveys (NSA) for Class VIII STUDENTS IN Tamil Nadu for Reading Comprehension, Mathematics, Science, and Social Science.

**(05marks)**

[https://www.education.gov.in/hi/sites/upload\\_files/mhrd/files/nas\\_classVIII/Tamil\\_Nadu-Report.pdf](https://www.education.gov.in/hi/sites/upload_files/mhrd/files/nas_classVIII/Tamil_Nadu-Report.pdf)

3. You are Anmol/Aanya. You took part in a medical camp organized in a remote village of Jammu by the Health Club of your school. You were surprised to find that most of the people there had no awareness about maintaining personal hygiene. Write a letter to the Editor of a national daily in about 150-200 words, expressing your concern and encouraging youngsters to initiate such campaigns to spread awareness about health and hygiene.

**(04 marks)**

4. You are Ayush Jain/Ayushi Jain, Sports Secretary of Abhinav Public School, Faridabad. Your school is holding its Annual Sports Meet on 15 September for which a plethora of activities have been organized. Write a letter in about 150-200 words to the Manager of Rock Field Sports, placing an order for necessary sports items.

**(04marks)**

5. A positive attitude in life can make the world a better place to live in. Do you agree or disagree? Express your views in about 100-150 words with reference to the poems 'Dust of Snow' and 'Fire and Ice'.

**(04 marks)**

6. All parental acts are for the betterment of children. Justify the statement by taking examples from the lesson 'His First Flight'. Answer in about 100-150 words.

**(04marks)**

7. Practice worksheets

8. Revise syllabus of PT-I

**HINDI**

क. ईश्वर के संबंद में कबीर के अनुभवों और मान्यताओं का वर्णन साखियों के आधार पर कीजिए।

10

ख. आधुनिक शिक्षा प्रणाली और पौराणिक शिक्षा प्रणाली का तुलनात्मक अध्ययन करते हुए बताए कि आज के युग में कौन सी शिक्षा प्रणाली विद्यार्थियों के लिए अनिवार्य है?

10

ग. समास के भेदों के आधार पर सभी भेदों से सम्बंधित पाँच-पाँच उदाहरणों का स्पष्टीकरण कीजिए।

**MATHS**

Represent the zeroes of the quadratic polynomial  $3x^2 - x - 4$  and  $2x^2 - 8x + 6$  graphically.

**SCIENCE**

1. Prepare a good quality mask (double layer of cloth should be used) for you and your family from the material available at your home.
2. Make a video/ppt of yourself showing the testing of Acids, Bases and Salts with olfactory indicators.
3. Complete your practical Manual work.

**SOCIAL SCIENCE**

Write a report on Jallianwala Bagh Massacre.

**OR**

Write a report on Simon Commission.

(NOTE- Student will write the report on spiral sheets and use transparent file, no file decoration is required)

**Note: All subject note books to be completed and revise PT-I syllabus.**