HOLIDAY HOMEWORK 2019-20
CLASS VI

ENGLISH

1. Travelogues give detailed information about the attractions of a place. They can come in handy while deciding to visit a place.

To write a travelogue, follow these rules:
1. Research about the place.
2. Highlight the various tourist spots.
3. Mention the ways and means to reach the place.
4. Name a few good hotels to stay in.
5. Mention about the cultural and historical background of the place.
6. List the do's and don'ts of the place.
7. Add relevant and attractive pictures.

Use colourful A4 sheets to prepare a travelogue for a tourist destination you have been to. Make sure you follow the above-mentioned rules.

2. Complete assignments for the month of April and May in English Grammar notebook.

3. There will be a Book Discussion on the title *David Copperfield* written by Charles Dickens. Students are to read, prepare a gist and learn all the important characters of the book.

HINDI

• हिंदी समाचार पत्र से 'पानी की समस्या' पर एक कोलॉज (A-4 SIZE PASTEL SHEET) पर बनाएँ।

• कार्यपत्रिका को उत्तर पुस्तिका में हल करें।

• प्रदत्त पुस्तक 'अमृत संचय' की (6–10) कहानियों को पुस्तक समीक्षा हेतु पढें। उसमें आए (पठित) विलोम और पर्यायवाची शब्दों को रेखांकित कर याद करें।

MATHS

1. <u>MANDALA PAINTING AND CIRCLES</u>

   Mandala is a design within a circle that symbolizes the universe. Mandalas generally have one identifiable center point, from which emanates an array of symbols, shapes and forms. Mandalas can contain both geometric and organic forms.

   Polygon– A polygon is a simple closed curve made up of line segments only. E.g. Rectangle, Square, Triangle, Pentagon, Hexagon, Trapezium, Parallelogram, Kite etc.

   <u>Activity</u>– Create your own Mandala by drawing and painting various polygons in different sizes and colours to make your own art piece on A4 sheet. An example is shown for reference.

2. <u>MONEY MAKER</u>–Who are the people on our banknotes? Choose ONE of them and research what they are famous for. Why do you think they were chosen to be represented on our currency?

   <u>Activity</u> – Create a new Indian coin or banknote. Illustrate the front and back. Paste the front and back of the currency designed on A4 sheet and explain why you chose the person, bird, animal, plant, pattern, value etc.

3. <u>PRIME NUMBERS</u>– Prime numbers play a very important role in 'Mathematics', since they can't be divided any further. They are like the 'atoms' of numbers. Eratosthenes, a Greek Mathematician, found an easy way to calculate all the prime numbers less than 100. It is called the Sieve of Eratosthenes.

<u>Activity</u>– Explore and use it to find the Prime Numbers less than 100. You will need a grid of numbers from 1 to 100. You may use an old Snake and Ladder board. Circle and Colour the Prime Numbers and paste the grid in Maths Lab Manual.
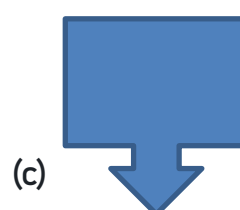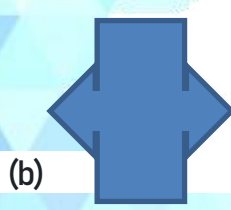
4. Solve Assignment for the month of April and May from Assignment Booklet in your note book.

5. Solve the following PISA (<u>Programme for International Student Assessment</u>) Based Questions in your note book.

PIZZAS

A pizzeria serves two round pizzas of the same thickness in different sizes. The smaller one has a diameter of 30 cm and costs 30 dollars. The larger one has a diameter of 40 cm and costs 40 dollars.

Question 1: Which pizza is better value for money? Show your reasoning.

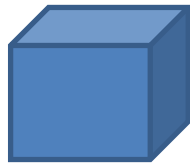<u>SHAPES</u>

(a)   (b)   (c)

Question 2: Which of the figures has the largest area? Explain your reasoning.

Question 3: Describe a method for estimating the area of figure (a)

Question 4: Describe a method for estimating the perimeter of figure (a)

BUILDING BLOCKS

Simran likes to build blocks from small cubes like the one shown in the following diagram:

Simran has lots of small cubes like this one. She uses glue to join cubes together to make other blocks. First, Simran glues eight of the cubes together to make the block shown in Diagram A:
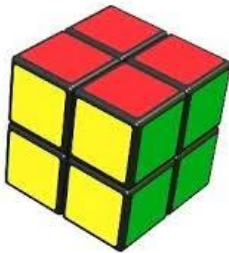

Diagram A

Then Simran makes the solid blocks shown in Diagram B and Diagram C below:
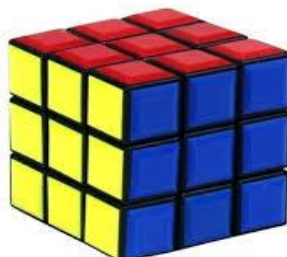

Diagram B

Diagram C

Question 1: How many small cubes will Simran need to make the block shown in Diagram B?

Answer: ....cubes

Question 2: How many small cubes will Simran need to make the solid block shown in Diagram C?

Answer: ....cubes.

Question 3: Simran realises that she used more small cubes than she really needed to make a block like the one shown in Diagram C. She realises that she could have glued small cubes together to look like Diagram C, but the block could have been hollow on the inside.
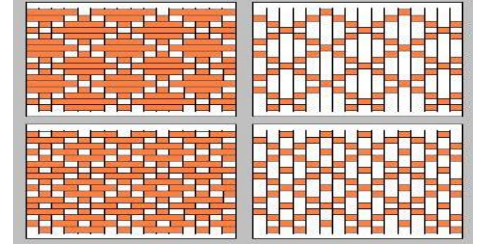What is the minimum number of cubes she needs to make a block that looks like the one shown in Diagram C, but is hollow?

Answer: ....cubes

SCIENCE

1. <u>DESIGNING WEAVING PATTERNS (FIBRE TO FABRIC)</u>
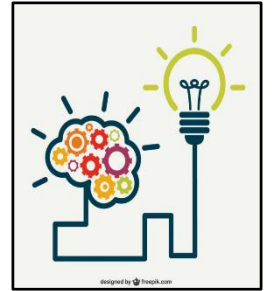   Fabrics are made by weaving fibres .This is done on looms .Take chart paper of two different colours –say blue and green. Cut each into 20 strips of about 20 cm length and 1 cm width. Try and
   make different type of weaving patterns with these and paste them on a drawing sheet. Your fabric is ready.

2. <u>Complete April and May assignment in Science note book.</u>

3. In order to empower students and enable them to become future technology creators and innovators by developing indigenous solutions to the local problems they see around them, students are given an opportunity to put on their thinking caps, suggest ideas/solutions and reskill them.

   Students should submit their idea/content in form of a write up (500 words) sharing proposed solution in any of the 07 core theme areas- <u>Health & Wellness, Environment, Infrastructure, Women Safety, Disability, Travel & Digital Literacy and Social Welfare</u> on 2nd July to their respective Science teacher. Follow these steps–

   - Identify a problem in your local area pertaining to given core themes.
   - Suggest a solution to the problem identified.
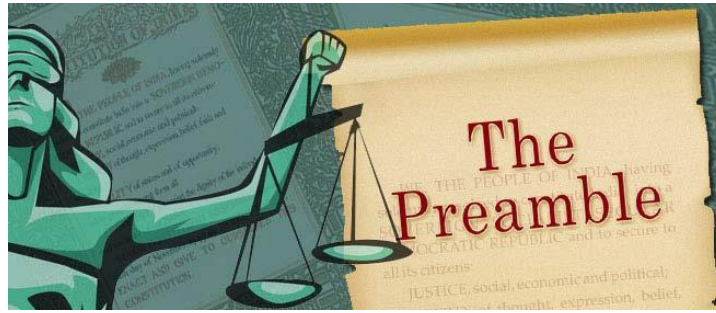   - Write a brief account of the problem and the possible solution.

   Selected students will be further guided by the mentors from NITI Aayog and make their prototypes in the month of July during Atal Tinkering Fest.

SANSKRIT

- शब्दको"ा को समृद्ध करने हेतु पाँच पक्षियों और पाँच जानवरों के नाम सचित्र (A-4 SIZE PASTEL SHEET) पर संस्कृत भाषा में लिखिए।
- कार्यपत्रिका को अभ्यास पुस्तिका में हल करें।
- शब्दरुप बालक, लता कण्ठस्थ करके उत्तरपुस्तिका में लिखें।
  <u>मूल्यांकन</u>— शुद्ध शब्द उच्चारण, शुद्ध वर्तनी।
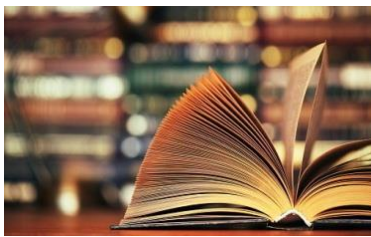
SOCIAL SCIENCE

<u>The preamble to the constitution of India is a brief introductory statement that sets out the guidelines for the people of the nation. It was adopted on 26th November 1949 by the constituent assembly and came into effect on 26th January 1950, celebrated as the Republic Day of India.</u>

Draw the preamble of Indian Constitution on A2 size Cartridge sheet (23.4 X 16.5 Inches) taking below points into consideration:
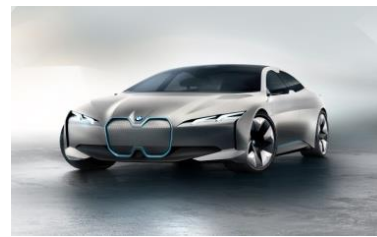
- Preamble should be clearly written in Block letters (font size between 2cm – 4 cm)
- The neat and well-presented Preamble will find a permanent place on class display board.
- There will be a session on the role and importance of Preamble in Constitution of India. Best speakers will get full marks in the Internal Assessment.
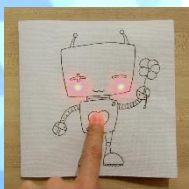
FRENCH

Un livre (A book)

Une voiture (A car)

- Préparez un dictionnaire illustre français ; collez ou dessinez les images et écrivez leur sens en anglais et français (au moins de 60 mots)

INFORMATION TECHNOLOGY & ARTIFICIAL INTELLIGENCE

I) Prepare a scene on "House of my dreams" in Pencil 2D- Animation Software and mail it to bbps.evision@gmail.com latest by 10 July 2019

II) Use your imagination and prepare a glowing card using paper circuit. You can make a Smart home in which the light glows when someone is at the door!

This is an example of a glowing card in which the Robot blushes on touching its heart. The technique is simple. You need two LEDs, copper wire/tape and a coin cell. Join them and see the magic. Refer to www.cirkitree.com for step-by-step method of creating a paper circuit.

Submit your glowing card to your teacher after the vacations!