

Subject: ENGLISH

1. Read any one of the following famous books:

- 1) Wings of Fire by Dr. A.P.J. Abdul Kalam
- 2) Oliver Twist by Charles Dickens
- 3) The Magic of Thinking Big by David J. Schwartz
- 4) How to Win Friends and Influence People by Dale Carnegie
- 5) The Shiva Trilogy by Amish Tripathi
- 6) Five Point Someone by Chetan Bhagat
- 7) Interpreter of Maladies by Jhumpa Lahiri
- 8) The Room on the Roof by Ruskin Bond
- 9) The Blue Umbrella by Ruskin Bond
- 10) A Flight of Pigeons by Ruskin Bond

- Write a short summary in about 100 words and name the main characters.
- Choose 10 interesting adverbs from the book and find their dictionary meanings.
- Find one synonym and antonym of any 10 words.
- Make meaningful sentences using any 10 words.
- Present your work creatively.

2. Make a display card of A4 size:

a) Use an A4 size pastel sheet of green, yellow or light blue colour.

b) Paste the picture of any one of the following authors- Rabindranath Tagore, Ruskin Bond, R.K. Narayan, John Milton and William Shakespeare. Below it provide the following information about the author-

- Date of birth
- Popular works
- Awards received

3. Write one page per day in your handwriting (four line) notebook.

विषय –हिन्दी

1. अपने परिवार में विवाह के शुभ अवसर पर संपन्न होने वाली किसी रीति का सचित्र वर्णन कीजिए।
2. अपने विशिष्टावकाश अनुभवों के आधार पर एक अनुच्छेद लिखिए।
3. 10–10 पर्यायवाची, विलोम, श्रुतिसम भिन्नार्थक, अनेकार्थक, एकार्थक प्रतीत होने वाले व अनेक शब्दों के लिए एक शब्द लिखिए।

अथवा

अपनी व्याकरण पुस्तक में उपलब्ध तत्सम–तदभव शब्दों को छोड़कर अन्य सभी शब्द 10–10 लिखें।

4. 05–05 मुहावरे व लोकोक्तियों को अर्थ सहित लिखकर वाक्य–प्रयोग करें।

“शुभ विशिष्टावकाश ”

— हिन्दी विभाग

Subject: Sanskrit

- 1.संस्कृत-पाठ्यपुस्तकस्य पठित-पाठेषु आगतानां स्वरसंधियुक्तपदानां चयनम् कृत्वा तेषां संधि-विच्छेदं अपि लिखत ।
2. रूचिरा-व्याकरणपुस्तकस्य अपठितअवबोधन-भागस्य अभ्यासः पुस्तके एव लेखनीयः ।
- 3.गुरु, नदी , अस्मद् , युष्मद् , मातृ, भ्रातृ शब्दानां रूपाणि शास्त्रविषयस्य संचिकायां विलिख्य आनयत।
4. दृश् , कृ , अस् , धातूनां रूपाणि पञ्चलकारेषु एक-एकं बारं विलिख्य स्मरणं च कृत्वा आनयन्तु ।
5. स्वपरिवारे सामूहिकं यज्ञं कृत्वा सामूहिकं योगप्रशिक्षणं च दत्वा तस्य सामूहिकछायाचित्रम् एकस्मिन् a4 sheet कर्गदे संक्षेप्य तस्य विवरणं संस्कृतेन लिखत ।
6. श्रीमद्भगवद्गीतायाः संपूर्ण-अष्टादशोऽध्यायस्य स्मरणम् एवं लेखनं कृत्वा आनयत । अस्य अध्यायस्य लिखित-परीक्षा भविष्यति । गीतायाः त्रयोदशतः अष्टादशअध्याय(13-18)-पर्यन्तं स्मरणं कुरुत ।
7. स्वस्तिवाचन-अन्तिमभागस्य नवमन्त्रान् पञ्चवारं लिखत ।
8. योगदर्शनस्य प्रथमपादस्य प्रथमसूत्रतः विंशतिः पर्यन्तं (1-20) पञ्चवारं लिखत ।
9. ईश्वरस्तुति-प्रकरणस्य सर्वेषां मन्त्राणाम् अर्थं दशवारं लिखत ।

Subject : Mathematics

General Instruction: Mention the date of each work, when did you start and complete it.
Experiential and Day-to- Day situational questions for practice.

**Done/
Not Done**

- 1 A drum full of rice weights 4016 kg. If the empty drum weights 1334 kg, find the weight of rice in the drum.
- 2 A designer needs $\frac{3}{5}$ of a metre of cloth to make a fancy dress for children taking part in a dance performance. If 200 children are taking part, how much cloth will the designer need?
- 3 A tin holds $16\frac{1}{2}$ liters of oil. How many such tins will be required to hold $313\frac{1}{2}$ liters of Oil
- 4 Omkar bought $2\frac{1}{2}$ Kg of potatoes at Rs. 12 per Kg, and $1\frac{1}{4}$ Kg of Tomatoes at Rs. 16 per Kg, How much money did he give to the shopkeeper?
- 5 Arshi earn 30, 000 per month. she spend $\frac{1}{4}$ of his income in food, $\frac{3}{10}$ of the remainder on House rent and $\frac{5}{21}$ of the remainder in of education of children. How much money is still left with her?
- 6 Bansi has 3 times as many two-rupee coins as he has five-rupee coins. If he has in all a sum of Rs 77, how many coins of each denomination does he have?
- 7 The perimeter of a rectangular swimming pool is 154 m. Its length is 2 m more than twice its breadth. What are the length and the breadth of the pool?
- 8 The ages of Rahul and Haroon are in the ratio 5:7. Four years later the sum of their ages will be 56 years. What are their present ages?
- 9 Fifteen years from now Ravi's age will be four times his present age. What is Ravi's present age?
- 10 Lakshmi is a cashier in a bank. She has currency notes of denominations Rs 100, Rs 50 and Rs 10, respectively. The ratio of the number of these notes is 2:3:5. The total cash with Lakshmi is Rs 4,00,000. How many notes of each denomination does she have?
- 11 The organisers of an essay competition decide that a winner in the competition gets a prize of Rs 100 and a participant who does not win gets a prize of Rs 25. The total prize money distributed is Rs 3,000. Find the number of winners, if the total number of participants is 63.
- 12 Deveshi has a total of Rs 590 as currency notes in the denominations of Rs 50, Rs 20 and Rs 10. The ratio of the number of Rs 50 notes and Rs 20 notes is 3:5. If she has a total of 25 notes, how many notes of each denomination she has?
- 13 A train is moving at the speed of x km/hour. What distance will it cover in 15 hours if it stops for 1 hour at two stations.
- 14 48 sweets are to be distributed among three friends A, B and C in such a way that B gets 5 sweets more than A and C gets 7 sweets more than A. Form an equation.
- 15 If father is twice as old as his son and also 29 years older than his son. What is the age of father?
- 16 If in a rational number denominator is greater than numerator by 8. If you increase the numerator by 17 and decrease the denominator by 1, you get $\frac{3}{2}$ as result. Find the number
- 17 The digit in the tens place of a two-digit number is three times that in the units place. If the digits are reversed, the new number will be 36 less than the original number. Find the original number
- 18 Astha thinks of a number and subtracts $\frac{5}{2}$ from it. She multiplies the result by 8. The final result is 3 times her original number. Find the number
- 19 Sum of the digits of a two digit number is 9. When we interchange the digits the new number is 27 greater than the earlier number. Find the number.
- 20 How many diagonals does each of the following have?
(a) A convex quadrilateral (b) A regular hexagon (c) A triangle
- 21 What is a regular polygon? State the name of a regular polygon of (i) 3 sides (ii) 4 sides (iii) 6 sides
- 22 Find the number of sides of a regular polygon whose each exterior angle has a measure of 45° .
- 23 Find the measure of each exterior angle of a regular polygon of (i) 9 sides (ii) 15 sides
- 24 How many sides does a regular polygon have if the measure of an exterior angle is 24° ?
- 25 How many sides does a regular polygon have if each of its interior angles is 165° ?

- 26 A group of students were asked to say which animal they would like most to have as a pet. The results are given below:
dog, cat, cat, fish, cat, rabbit, dog, cat, rabbit, dog, cat, dog, dog, dog, cat, cow,
fish, rabbit, dog, cat, dog, cat, cat, dog, rabbit, cat, fish, dog.
Make a frequency distribution table for the same.
- 27 Construct a frequency distribution table for the data on weights (in kg) of 20 students of a class using intervals 30-35, 35-40 and so on.
40, 38, 33, 48, 60, 53, 31, 46, 34, 36, 49, 41, 55, 49, 65, 42, 44, 47, 38, 39.
- 28 A group of 360 people were asked to vote for their favourite season from the three seasons rainy, winter and summer (shown in above fig.). (i) Which season got the most votes? (ii) Find the central angle of each sector. (iii) Draw a pie chart to show this information.
- 29 Cards are marked with numbers 1 to 25 are placed in the box and mixed thoroughly. One card is drawn at random from the box. What is the probability that the cards are marked with (i) a prime number (ii) an even number (iii) a number multiple of 5 (iv) a number divisible by 6 and (v) a number 4.
- 30 A die is thrown once. Find the probability of getting (i) a prime number; (ii) a number lying between 2 and 6; (iii) an odd number.
- 31 Numbers 1 to 10 are written on ten separate slips (one number on one slip), kept in a box and mixed well. One slip is chosen from the box without looking into it. What is the probability of (i) getting a number 6?
(ii) getting a number less than 6?
(iii) getting a number greater than 6?
(iv) getting a 1-digit number?
- 32 Find the least number that must be subtracted from 5607 so as to get a perfect square. Also find the square root of the perfect square.
- 33 Find the greatest 4-digit number which is a perfect square.
- 34 In a cinema hall 729 people are seated in such a way that the number of people in a row is equal to number of rows. Then how many rows of people are there in the hall?
- 35 The length of a rectangular park is 80m and breadth is 60m. Find the length of its diagonal.
- 36 Find the smallest number which when multiplied by 180 makes it a perfect square.
- 37 A rectangular paper of length 45cm and breadth 5 cm is cut to form a square with the same area. What is the side of the square?
- 38 Find the square root of 6.0516 Find the least number, which must be subtracted from 3250 to make it a perfect square
- 39 Find the square root of 3 correct to two places of decimal.
- 40 Is 392 a perfect cube? If not, find the smallest natural number by which 392 must be multiplied so that the product is a perfect cube.
- 41 Is 53240 a perfect cube? If not, then by which smallest natural number should 53240 be divided so that the quotient is a perfect cube?
- 42 Parikshit makes a cuboid of plasticine of sides 5 cm, 2 cm, 5 cm. How many such cuboids will he need to form a cube?

1. Complete the TRY THESE portion of NCERT book and complete the pending work which have done in the classroom, if any.
2. Students can practice of "PRACTICAL GEOMETRY-Construction of Quadrilaterals" and also make some constructions based questions.
3. Students will make the formula book/ game/ crossword puzzle/ poem/ story etc. in mathematics by applying his/ her creativity and Art Integration.
4. Students will learn at least three Vaidic Mathematics/ shortcut tricks and do excellent practice on it to present the trick in the class after vacations. (They can use internet)
5. Students will also do the following activities with the help of parent/ guardians:

- i) Help parents to planning the home budget for the month.
- ii) Reading a bank account passbook, and observe the calculation of reading in electricity and water bill (for commercial mathematics)
- iii) Solve some mathematical puzzles and reasoning problems.
- iv) Learn to play the SUDUKO.

Do the following activities in separate practical notebook:

Activity 1: Fold a paper 8 times in any way. Unfold and locate various convex and concave polygons.

Activity 2: To verify that the sum of interior angles of a quadrilateral is 360° by papercutting and pasting.

Activity 3: To verify that the sum of measures of the exterior angles of any polygon is 360° by paper cutting and pasting. (Note: Verify the result for a triangle, quadrilateral, pentagon and hexagon)

Activity 4: To make the following by paper folding and cutting

- a. a kite
- b. a rhombus

Activity 5: To verify that

- i) diagonals of a rectangle are of equal length
- ii) diagonals of a square are of equal length
- iii) Investigate the results for a rhombus and a parallelogram, using stretched threads.

Activity 6: (Group Activity: You can take the help of parent, brother, sister or your friends by taking precaution of proper social distancing)

Do a survey of your family member/ friends/ cousin brother, sister and collect the data from all who spent more than 4 hours in watching TV.

a) Represent the collected data, in the form of a histogram by paper cutting and pasting.

b) Write how much you spent during a day in the following headings
 i) Yoga and Havan ii) homework iii) play iv) sleep v) watching TV

vi) others (like help the parents in home activities)

Represent the information in a Pie chart.

Activity 7: To observe the following number patterns and generate it up to next three steps

i) $1^2 = 1$
 $11^2 = 1 \quad 2 \quad 1$
 $111^2 = 1 \quad 2 \quad 3 \quad 2 \quad 1$

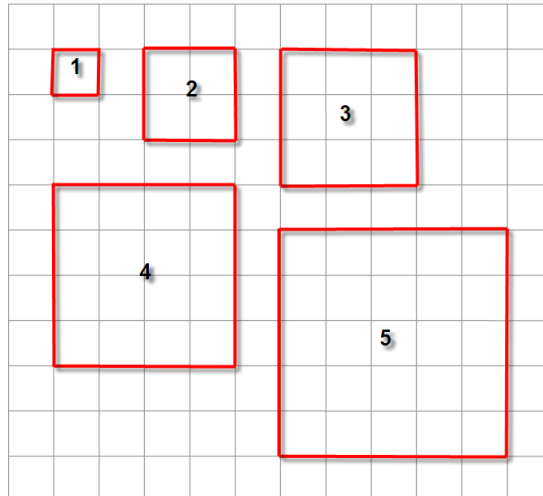
ii) $1+3 = 4 = 2^2$
 $1+3+5 = 9 = 3^2$
 $1+3+5+7 = 16 = 4^2$

Activity 8: To explore the relationship between

(i) Length (in cm) and perimeter (in cm)

(ii) Length (in cm) and area (in cm^2)

of 5 squares of different dimensions drawn on a squared paper.



Length of a side (L)	Square 1	Square 2	Square 3	Square 4	Square 5
Perimeter (P)					
Area (A)					
P/L					
A/L					

Enjoy the homework assignment and be happy with healthy habits.

Keep smiling!

A.K.Dobhal

Mathematics Teacher

Rubrics	Excellent (5 marks)	Very Good (4 marks)	Good (3 marks)	Average (2 marks)	Below Average (1 mark)
Completion of Assignment/ Activity					
Punctuality/ Clarity					
Presentation					
Total	(.....Out of 15)				

Subject-Science

- 1) What will happen if-
 - a) The plant leaves are devoid of stomata?
 - b) All the plants perish from the Earth.
- 2) How can you say photosynthesis maintain a balance between Oxygen and Carbon dioxide in the atmosphere?
- 3) How is ruminant's stomach different from human stomach?
- 4) Which structure in Amoeba can be compared to the mouth of humans?
- 5) Animal activists are against the silk production. Why?
- 6) Why is water not used instead of mercury in thermometer when it is easily available to us?
- 7) A person has a white and black shirt which shirt will make him more comfortable in (a)winters, (b) summers? Give reasons for your answer.
- 8) Why do mud houses with thached roofs keep cool in summers and warm in winters?
- 9) How acids are helpful in maintaining our good health?
- 10) Why is making of tubewells prohibited in residential areas?
- 11) Why is distribution of water uneven in our country?
- 12) Explain, How deforestation can lead to depletion of groundwater?

Note: a) make a separate and slim notebook for the vacation work of science.

b) Write all the keywords or tough words (5 times each) in the same notebook.

c) Learn and prepare all the chapters for half yearly examination.

History

1. Collect information about various Kings from medieval period and make a collage from them.
Collect information on
I) Prithviraj II) Rajia sultan III) Akbar
2. MAP POINTING-Locate and label the following kingdom of early medieval period (in map skill activity book page no. 39, 41, 43 and 47)
I. Rashtrakutas II. Cholas III. Palas IV. Chahmanas V. Chalukyas
VI. Pallavas VII. Pratiharas VII. Solanlkis VIII. Senas IX. Paramaras
3. Compare the temples made in the medieval period by cholas, cheras, palas etc. with the temples of present day near your neighbourhood, highlighting similarities and differences that you notice and note down them in your notebook.
4. **MAP SKILL:-**
Do the activity given on page no. 5, 7, 11, 13, 15 and 35)

Geography.

1. In the class note book Draw the following diagram (colour it).
 - a. Component of Environment
 - b. Domains of Environment.
 - c. Interior of the Earth.
 - d. Rock cycle.
2. Journey to the centre of the Earth is a classical science fiction novel and movie written by Jules Verne. Watch the movie and write a critics in about 400- 500 words.
3. Collect a picture and information on global Warming and make a collage out of them.
4. From the clues, guess the names of some common rocks used in our everyday life and solve this crossword puzzle.

Across.

- i. I am a metamorphic rock dark grey in colour. I am used to make roofs and blackboard.
- iv. I am a sedimentary rock black in colour. I am used as fuel.
- Vi. I am a metamorphic rock either grey or white in colour. I am used in construction of building and statues.
- Vii. I am a sedimentary rock brown, yellow, red, grey or white in colour. I am used as building and paving material.

Down.

- ii. I am a sedimentary rock white, grey, or black in colour. I am made of calcium from the skeletons of coral and seashells. I dissolve slowly if there is acid rain. I am a metamorphic rock dark grey in colour. I am used to make roofs and blackboard.
- iii. I am an igneous rock black or grey in colour. I make up most of the ocean floor.
- V. I am a igneous rock grey, black or pink in colour. I am one of the hardest building stones.
- Vii. I am a sedimentary rock white in colour. I am added to food to make it tastier.

	i	ii						iii	
						iv			
					v				
				vi					
vii									

5. In the outline map of India show the following

- A) States where wind action is very active.
- B) States where where landslides are common.

Civics

1. Collect information regarding programmes by the govt to ensure the equality in India E.g gender equality, economic equality.
2. "Swachh Bharat Abhiyan" or Clean India Mission was a country-wide campaign from 2014 to 2019, to eliminate open defecation and improve solid waste management in urban and rural areas in India.
 - I. Collect more information about the campaign and write how cleaning the surroundings may help in prevention of the diseases and improving health standard.
 - II. Make posters, paintings or design logo on A4 size sheet.
3. Write the glossary given at last of lesson 1 and 2 in class note book.
4. Resources are rare, yet very important.

During Covid-19 lockdown you must have noticed that only essential items are bought by you and your family. List down the goods which are luxurious and were bought by you and your family before lockdown but not during the lockdown.

Divide the items into 2 categories: Necessities and Luxuries

Make an analysis why it is important to spend money rationally on the resources.

Subject : IT

- a) Make an stellar “Anniversary ” greeting card with the help of Ms-Word software.
- b) Design a poster on the topic “Save Water”.
- c) Make an attractive web page for a newly opened school with the help of html.
- (d) Make an excel spread sheet showing the use of Conditional formatting and sorting.