

**SESSION (2023-24)**

**CLASS-IX**

**HOLIDAY ASSIGNMENT**

***THE EARTH IS WARM, THE SUN'S  
ABLAZE,  
IT IS TIME OF CAREFREE DAYS;  
AND BEES ABUZZ THAT CHANCE  
TO PASS  
MAY SEE ME SNOOZING IN THE  
GRASS***



Dear Parents,

We all stand at the threshold of an extraordinary summer – the summer of 2023! It is summer vacation time again, a time to relax as well as fruitfully occupy the children in various scholastic and co-scholastic areas. Summer Vacation is the best time to explore and create memories and acquire new skills. To create a well-rounded holiday experience and engage our little ones in some creative work, we have put together some interesting activities which the children will enjoy doing. This would encourage in-depth learning, strengthen concepts and prepare ground for improved academic output. As parents, kindly motivate and lend support to your children and ensure that they complete the given work well-in-time and to the best of their ability. Your encouragement can actually make a huge difference to the ultimate learning outcome of these projects. We would be happy if parents encourage children to work on their own.

Happy Holidays!

# ENGLISH

**Q1. The Road Not Taken' is a biographical poem. Therefore, some personal biographical information is relevant for the deeper understanding of the poem we have read. Go to [www.encarta.com](http://www.encarta.com) and complete the following worksheet about Robert Frost.**

- a) What "momentous decision" was made by Frost in 1912?
- b) How old was he when took that decision?
- c) Why was it so difficult to take that decision? Think and give more than one reason.
- d) Was the "road" taken by Frost an easy one "to travel"?
- e) Do you think he wrote "The Road Not Taken" before sailing from the USA to England or after? Can you quote a line or two from the poem that can support your answer?
- f) Do you think Frost finally became popular in America as a poet?

**Q2. While the country has made significant progress in improving adult literacy over the years, it continues to be home to 313 million illiterate people; 59 percent of them are women. The story 'How I Taught My Grandmother to Read' showcases a young girl helping her unlettered grandmother grow self-sufficient. The story is also a subtle eye-opener for the youth that if they realise their moral obligation, they can take the country to greater heights.**

**Pen down your thoughts in the form of ARTICLE on the topic" How the youth brigade of the nation can help alleviate Adult Illiteracy".**

**Q3. This poem describes the journey of a stream from its place of origin to the river that it joins. The poem has been written in the form of an autobiography where the brook relates its experiences as it flows towards the river. In Literature, such a device by which an inanimate object is made to appear as a living creature is called Personification. Just as the brook has been personified in this poem, write a poem on any inanimate object making it come alive. You could begin with a poem of 6-8 lines. The poem should have a message. Try to maintain a rhyme scheme to enhance the beauty of the poem. You could write a poem on objects such as a candle/a tree a rock/a desert etc.**

**Q4. Complete the given worksheet.**

## WORKSHEET

**Q1. Rearrange the following words or phrases to make meaningful sentences:**

1. Bimla/ her/ husband/ that/ told/ a coward/ he/ was
2. he/ my letter/ received/ must have/ by now
3. stories/ the/ wrote/ few/ that he/ romantic/ very/ were
4. you/ would/ when/ meet her/ she /know/ did not
5. English/ whom/ by/ you/ had/ been/taught?
6. my winning a medal/ I told him/ until/ about/ not known/ he had

7. on my bicycle/ to/ go/ I used to/ my school
8. boy/ each/ was punished/ of the class/ yesterday
9. how/ you had/ at the interview/ done/ us/ let/ know
10. the class/ at once/ ordered/ you are/ to leave

**Q2. There is an error in each of the following lines. Write the incorrect word and the correct word in the given space. The first one has been done as an example:**

	Incorrect	Correct
Intelligence is praised to one and all.	-----	-----
We say that intelligence means	-----	-----
being able to solve problems. Some animal	-----	-----
seem abled to do this. For ex. cats often	-----	-----
find her way home from long distances.	-----	-----
To do this they had to remember and think.	-----	-----
Young birds are also able to made long	-----	-----
journeys. They are borne with this ability.	-----	-----
This is not intelligence. We call these instinct.	-----	-----

**Q3. Read the given conversation below and complete the passage that follows:**

**Grandmother: Who is your best friend?**

**Monu: My best friend is Shashank.**

**Grandmother: I thought Shamu was your best friend. Why do you like Shashank so much?**

**Monu: If I beat him, he doesn't beat me back.**

Even as Monu was about to go out to play, his grandmother asked him (a) \_\_\_\_\_. Gently kicking his ball, a happy looking Monu replied (b) \_\_\_\_\_. This surprised the grandmother for she thought that Shamu had been his best friend. She asked (c) \_\_\_\_\_. With a smile on his face, Monu replied that if he beat him, he didn't beat him back

**2. Customer: These caps don't fit me**

**Tailor: Wear them on the tip of your fingers. They'll fit you.**

The customer complained (a) \_\_\_\_\_

The tailor told him (b) \_\_\_\_\_

**Q4. Fill in the blanks with the correct form of the verbs given in brackets.**

1. Once when I (a) ..... (cross) the road, I (b) ..... (see) a small boy who (c) ..... (look) quite lost. I (d) ..... (ask) him the name of his parents but he (e) ..... (can) not answer. After waiting for a little while, I (f) ..... (bring) him home and (g) ..... (feed) him.

2. I (a) ..... (feel) very sorry to see the pathetic condition of the slums. Children (b) ..... (be) shabbily dressed and were running all over the place. A small girl (c) ..... (eat) a banana. She (d) ..... (get) it from her father. Her father (e) ..... (be) a poor labourer. Her mother always (f) ..... (remain) sick.

3. As per the prediction of the Meteorological Department, it (a) ..... (rain) tomorrow. On hearing this, the farmers (b) ..... (start) dancing. There (c) ..... (be) no rains in their area for a long time. This weather prediction (d) ..... (make) everybody happy.

**NOTE – DO THE GIVEN HOLIDAY HOMEWORK ON A4 SIZE SHEETS**

## MATHEMATICS

**General Instructions:**

1. This worksheet is a part of Maths Portfolio and must be attached in the Maths Portfolio File.
2. This worksheet must be written on ruled A4 sheets.
3. This worksheet consists of 40 questions in total.
4. Each question is compulsory.
5. Questions 31 - 40 are **case study based** questions.

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Q1. If  $x = 3 + 2\sqrt{2}$ , find out whether  $x - \frac{1}{x}$  is rational or irrational.

Q2. Rationalise:  $\frac{2}{\sqrt{2}}$ .

Q3. Express 1.363636... in the form of rational number.

Q4. Simplify the following:

(a)  $(8 - \sqrt{5})(8 + \sqrt{5})$  (c)  $(10 + \sqrt{3})(6 + \sqrt{2})$   
(b)  $(\sqrt{3} + \sqrt{11})^2 + (\sqrt{3} - \sqrt{11})^2$

Q 5. Find the area of a right-angled triangle whose base is 12 cm and height is 5 cm.

Q6. Simplify the following:

(a)  $(729)^{\frac{1}{6}}$  (d)  $(64)^{\frac{2}{3}}$   
(b)  $(243)^{\frac{6}{5}}$  (e)  $(21)^{\frac{3}{2}} \times (21)^{\frac{5}{2}}$   
(c)  $\frac{(81)^{\frac{1}{3}}}{(81)^{\frac{1}{12}}}$

Q7. Find the area of an equilateral triangle with side 10 cm.

Q8. If  $x = \frac{3}{3-2\sqrt{2}}$ , find the value of  $x^2 + \frac{1}{x^2}$ .

Q9. What is the perpendicular distance of the point (-7, 6) from the  $x$ -axis? What is its perpendicular distance from the  $y$ -axis?

Q10. If the perimeter of equilateral triangle is 90 cm. Find its area.

Q11. Find the area of a triangle, two sides of which are 8 cm and 11 cm and the perimeter is 32 cm.

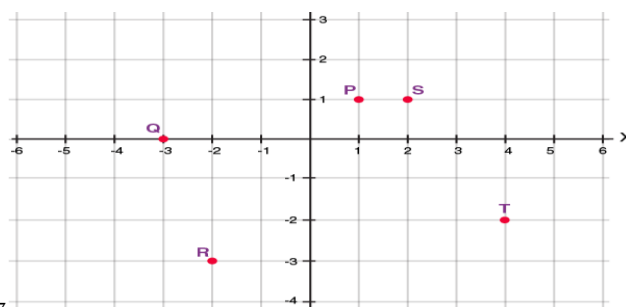
Q12. What is the area of the triangle formed by joining the points (8, 0), (12, 0), and (12, 4)?

Q13. In which quadrant or on which axis do these points lie?

(i) (3, -5) (ii) (-6, 0) (iii) (-5, 8) (iv) (0,  $\sqrt{3}$ )

Q14. A triangular park ABC has sides 120m, 80m and 50m. A gardener Reeta has to put a fence all around it and also plant grass inside. How much area does she need to plant? Find the cost of fencing it with barbed wire at the rate of Rs.20 per metre leaving a space 3m wide for a gate on one side.

Q15. Find the coordinates marked on the Cartesian Plane:



Q16. Find 'x', if  $2^{x-7} \times 5^{x-4} = 1250$ .

Q 17. Evaluate:  $(\sqrt{5} + \sqrt{2})^2 + (\sqrt{8} - \sqrt{5})^2$



Q 18. Let 'a' be a non-zero rational number and 'b' be an irrational number. Is 'ab' necessarily an irrational? Justify your answer with example.

Q19. Find the cost of laying grass in a triangular field of sides 50 m, 65 m and 65 m at the rate of Rs 7 per  $\text{m}^2$ .

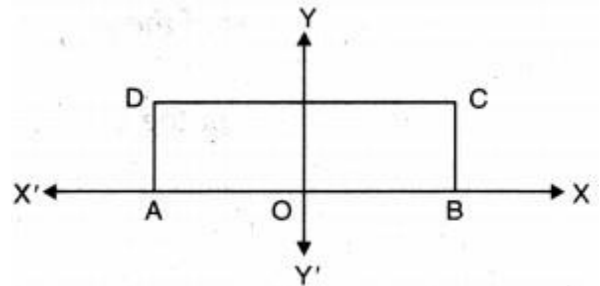
Q 20. Let  $x$  and  $y$  be a rational and an irrational number. Is  $x + y$  necessarily an irrational number? Give an example in support of your answer.

Q 21. If  $x^a = y$ ,  $y^b = z$  and  $z^c = x$ , then prove that  $abc = 1$ .

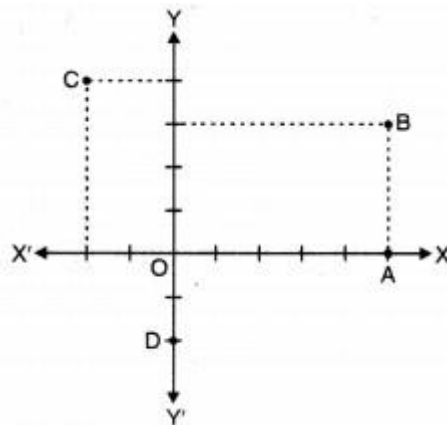
Q22. The sides of a triangular plot are in the ratio of 6 : 7 : 8 and its perimeter is 420 m. Find its area.

Q 23. Find the values of  $x$  and  $y$ , if two ordered pairs  $(x - 3, -6)$  and  $(4, x + y)$  are equal.

Q 24. In the given figure, ABCD is a rectangle with length 6 cm and breadth 3 cm. O is the mid-point of AB. Find the coordinates of A, B, C and D.



Q25. Write the coordinates of A, B, C and D from the figure given alongside.



Q26. A point lies on  $x$ -axis at a distance of 9 units from  $y$ -axis. What are its coordinates? What will be the coordinates of a point, if it lies on  $y$ -axis at a distance of -9 units from  $x$ -axis?

Q27. If we multiply or divide both sides of a linear equation with a non-zero number, then what will happen to the solution of the linear equation?

Q28. The cost of a table is 100 more than half the cost of a chair. Write this statement as a linear

equation in two variables.

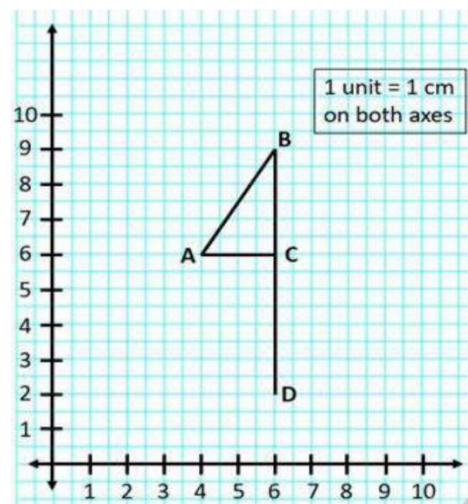
Q29. The sides of a triangular flower bed are 5 m, 8 m and 11 m. Find the area of the flower bed.

Q30. Find the cost of levelling the ground in the form of a triangle having the sides 51 m, 37 m and 20 m at the rate of Rs3 per  $\text{m}^2$ .

### CASE STUDY

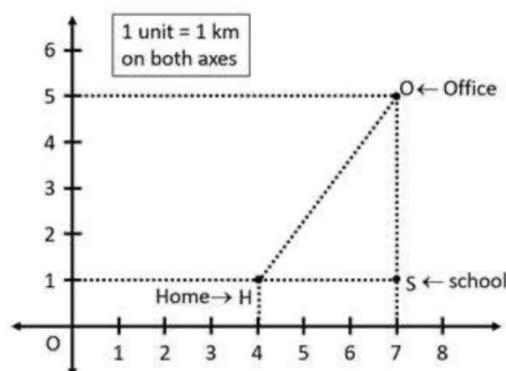
Q31. The sketch of a flag post is created on graph paper as shown. Using the details given, answer the following questions.

- (i) Find the coordinates of point A.
- (ii) Find the point whose  $x$  and  $y$  coordinates are same.
- (iii) Length of AC and BC are.....
- (iv) Find the length of BD.

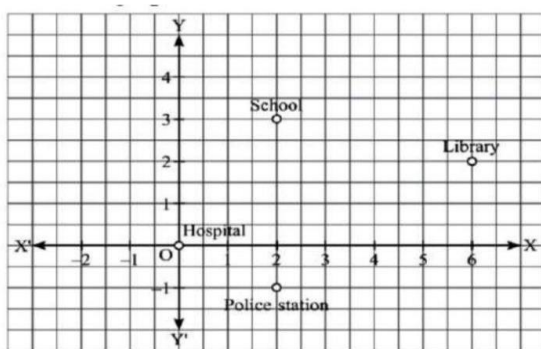


Q32. Claudia has to reach her office every day at 10:00 am. On the way to her office, she drops her son at school. Now, the location of Claudia's house, her son's school and her office are represented by the map below. Using the details given, answer the following questions.

- (i) Find the coordinates of Claudia's home.
- (ii) Find the distance between Claudia's home and her son's school.
- (iii) Find the distance between Claudia's office and her son's school.
- (iv) Find the coordinates of Claudia's son's school.



Q33. Aditya is a Class IX student residing in a village. One day, he went to city Hospital along with his grandfather for general checkup. From there he visited three places School, Library and Police Station.



After returning to his village, he plotted a graph by taking Hospital as origin and marked three places on the graph as per his direction of movement and distance. The graph is shown below:

- (i) What are the coordinates of school?
- (ii) What is the distance between school and police station?
- (iii) What are the coordinates of library?

Q34. To examine the preparation of class 9 students on topic 'Number System', Mathematics teachers write two numbers on blackboard, and asks few questions to students. Based on the above information, answer the following questions.

- (i) Write the decimal form of  $\frac{2}{11}$ .
- (ii) Write the  $\frac{p}{q}$  form of 0.383838.....
- (iii) Write the decimal expansion of  $\frac{2}{11}$ .

Q 35. Real numbers are broadly classified as rational and irrational numbers. Rational numbers are the ones that can be expressed in  $\frac{p}{q}$  form, where  $q$  is not equal to zero and  $p$  and  $q$  are co-prime. Whereas irrational numbers can't be expressed in  $\frac{p}{q}$  form. The decimal expansion of a rational number can either be recurring or terminating. But the decimal expansion of an irrational number is neither recurring nor terminating.

Based on the given information, answer the following questions:

- (i) The decimal expansion of  $\frac{532}{17}$  is \_\_\_\_\_.
- (ii) Convert 1.235235235.... in  $\frac{p}{q}$  form.
- (iii) Find three irrational numbers between 0.45454545.... and 0.54545454....



Q36. A test consists of 'True' or 'False' questions. One mark is awarded for every correct answer while  $\frac{1}{2}$  mark is deducted for every wrong answer. A student knew answers to some of the questions. Rest of the questions he attempted by guessing. He answered 120 questions and got 90 marks.

(i) Number of total questions answered by a student can be represented algebraically as \_\_\_\_\_.

(ii) If all the questions he attempted by guessing were wrong, then the total Marks obtained by a student can be represented algebraically as \_\_\_\_\_.

(iii) If all the questions he attempted by guessing were wrong and answered 80 correctly, then how many marks he got?

(iv) If answer to all the questions he attempted by guessing were wrong, then how many questions should be answered correctly to score 93 marks?

Q 37. Today is Saima's birthday. Mama is making a beautiful cake for her. Saima wants to learn from her mother. Mother is very happy. She takes a cup and some eggs. She said the number of eggs needed to make a cake varies directly as the number of cups of flour used. She takes 2 cups of flour and half a dozen eggs. As number of guest's increase, the number of eggs and cups of flour increase. Take 'x' as the number of cups of flour used and 'y' as the number of eggs.

(i) Write an equation for the above relationship.

(ii) How many eggs are needed if you take 3 cups of flours?

(iii) How many cups of flour needed if Saima takes 21 eggs?

Q38. Meera bought some apples at the rate of Rs. 100 per kg and some avocados at the rate of Rs.200 per kg. If she bought 'x' kgs. of apple and 'y'kgs. of avocado, then answer the following questions.

(i) If the total cost incurred to Meera after buying 'x' kgs of apple and 'y' kgs of avocado is Rs.1000, form an equation.

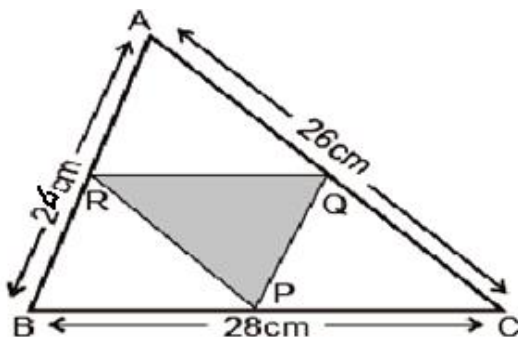
(ii) If Meera bought 3kgs of apple and 'y' kgs of avocado for Rs. 500, find the value of 'y'.

(iii) If Meera bought 'x' kgs of apple and 2 kgs of avocado for Rs. 800, find the value of 'x'.

Q39. Peter, Kevin James, Reeta and Veena were students of Class 9th B at Govt. Sr Sec School, Sector 5, Gurgaon. Once the teacher told Peter to think a number  $x$  and to Kevin to think another number  $y$  so that the difference of the numbers is 10 ( $x > y$ ). Now the teacher asked James to add double of Peter's number and that three times of Kevin's number, the total was found 120. Reeta just entered in the class. The teacher said Reeta to form the 1<sup>st</sup> equation with two variables  $x$  and  $y$ . Now Veena just entered the class so the teacher told her to form 2<sup>nd</sup> equation with two variables  $x$  and  $y$ . Now teacher told Reeta to find the values of  $x$  and  $y$ . Peter and Kevin were told to verify the numbers  $x$  and  $y$ .

- (i) What is the equation formed by Reeta?
- (ii) What is the equation formed by Veena?
- (iii) Which number did Peter think?
- (iv) Which number did Kelvin think?

Q40. There is a Diwali celebration in the DPS school Janakpuri New Delhi. Girls are asked to prepare Rangoli in a triangular shape. They made a rangoli in the shape of triangle ABC. Dimensions of  $\triangle ABC$  are 26 cm, 28 cm, 26 cm.



- (i) In fig, R is mid-point of AB and  $RQ \parallel BC$  then find the value of AQ.
- (ii) In fig R and Q are mid-points of AB and AC respectively. Find the length of RQ.
- (iii) If Garland is to be placed along the side of  $\triangle QPR$  which is formed by joining midpoint, what is the length of garland? Also find the difference between the perimeter ( $\triangle ABC$ ) and perimeter ( $\triangle PQR$ ).
- (iv) Find the area of  $\triangle RQP$ .

## CREATIVE CORNER

ROLL NO.	ACTIVITY
1 – 10	Mathematical Painting using 2-D Figures. (on chart)
10 – 20	Chart on Number System
20 – 30	Chart on Algebraic Identities
30 – 40	Chart on Euclid's Axioms and Postulates
40 – ABOVE	To prepare wind chimes by using Mathematical shapes.

## COORDINATE GEOMETRY ART (for all students)

**What to do:** Draw a design /object/creature.

### **How to do:**

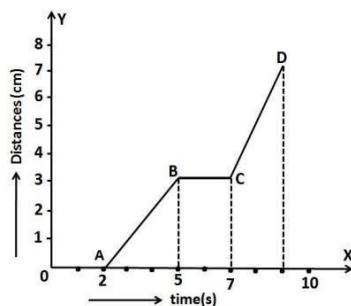
1. Take a graph paper and draw two perpendicular lines to obtain four quadrants.
2. Draw any one design /object/creature of your choice using straight lines with mirror image to cover all quadrants.
3. Write the coordinates of each point of intersection of line segments.
4. Color the art work obtained.

**Where to do:** Paste the graph paper on an A – 3 size sheet.

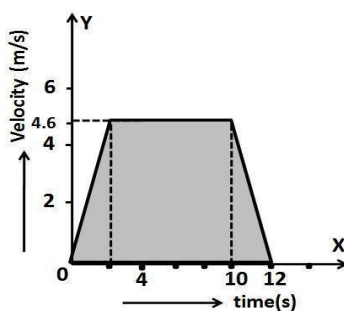
## **SCIENCE**

1. A car starts from rest and moves along the x-axis with constant acceleration  $5\text{m/s}^2$  for 8 seconds. If it then continues with constant velocity, what distance will the car cover in 12 seconds since it started from the rest?
2. A body starts to slide over a horizontal surface with an initial velocity of  $0.5\text{ m/s}$ . Due to friction, its velocity decreases at the rate of  $0.05\text{ m/s}^2$ . How much time will it take for the body to stop?

3. A train starting from the rest moves with a uniform acceleration of  $0.2 \text{ m/s}^2$  for 5 minutes. Calculate the speed acquired and the distance travelled in this time.
4. The graph in below figure shows the positions of a body at different times. Calculate the speed of the body as it moves from (i) A to B (ii) B to C and (iii) C to D.



5. The velocity time graph of an ascending passenger lift is given below. What is the acceleration of the lift: (i) during the first two seconds (ii) between 2<sup>nd</sup> and 10<sup>th</sup> second (iii) during the last two seconds.



6. A body is accelerating at a constant rate of  $10 \text{ m/s}^2$ . If the body starts from rest, how much distance will it cover in 2 seconds?
7. An object undergoes an acceleration of  $8 \text{ m/s}^2$  starting from rest. Find the distance travelled in 1 second.
8. A bus was moving with a speed of  $54 \text{ km/h}$ . On applying brakes, it stopped in 8 seconds. Calculate the acceleration and the distance travelled before stopping.
9. A motor cycle moving with a speed of  $5 \text{ m/s}$  is subjected to an acceleration of  $0.2 \text{ m/s}^2$ . Calculate the speed of the motor cycle after 10 seconds and the distance travelled in this time.
10. The brakes applied to a car produce an acceleration of  $6 \text{ m/s}^2$  in the opposite direction to the motion. If the car takes 2 seconds to stop after the application of brakes, calculate the distance it travels during this time.
11. Where are chromosomes located in a cell? What are they composed of? What information they contain?
12. Distinguish between:

(i) Mitosis and Meiosis

(ii) Nucleus and Nucleolus

13. Draw labelled and beautiful charts:

- (i) Roll No 01 – 10: Plant Cell/Animal Cell
- (ii) Roll No 11 – 20 Mitochondria/Chloroplast
- (iii) Roll No 21 – 25: Golgi Body /Endoplasmic Reticulum
- (iv) Roll No 26 – 30: Different types of Plant Tissues
- (v) Roll No 31 – 35: Different types of Animal Tissues
- (vi) Roll No 36 – 41: Cell Division

14. Define sublimation. Name any two sublime substances.

15. Explain the factors affecting the rate of evaporation.

16. Define latent heat of fusion and latent heat of vapourisation.

17. convert the following temperature:

- (a) 25 degree Celsius to Kelvin scale                      b) 300 Kelvin to degree Celsius

18. Give reason for the following:

- (a) Naphthalene balls disappeared after sometime.
- (b) steam causes more severe burn than boiling water at the same temperature.

**NOTE – HOLIDAY HOMEWORK SHOULD BE DONE ON A4 SIZE SHEETS.**

## **SOCIAL SCIENCE**

### **Political Science**

***Note : Do the assignment in loose sheets.***

Q1. Define the Preamble.

Q2. What is a Constitution?

Q3. Why is constitution considered the supreme law?

Q4. Who was the chairman of the constituent assembly?

Q5. What does “Socialist” in a democratic constitution mean?

Q6. How was the constituent assembly formed?

Q7. Why is India considered as a sovereign country?

Q8. When did the Indian constitution come into force?

Q9. Name the chairman of the constitution drafting committee of India.

Q10. Which countries constitutional features inspired Indian constitution makers?



## History

**Note : Do the assignment in loose sheets**

- Q1. Who introduced Reign of terror and where?
- Q2. Which theory was proposed by Montesquieu?
- Q3. Who proposed the social contract theory?
- Q4. What did the French Revolution of 1789 stand for?
- Q5. What did the fall of Bastille signify?
- Q6. What is a Guillotine?
- Q7. Who was the leader of the Jacobian Club?
- Q8. How was the French society organised before the revolution of 1789?
- Q9. Describe the incidents that led to the storming of the Bastille.
- Q10. How was the church responsible for the French Revolution.

## **INFORMATION TECHNOLOGY(402)**

**Note:**

Do Question No 1 to 4 in your Class Note book and Question No 5 to 8 in your Practical file .

- Q1 Visit Indian government websites, such as the official web portal of Department of School Education, MHRD, Government of India. Make a list of all the valuable information and the services you could obtain yourself.
- Q2 Make a list of e-government services that are provided by other countries.
- Q3 Visit the various websites and list the areas where ICT is used.
- Q4 **Multiple choice questions**
  - (i) Which of the following is the default extension of the writer file?  
(a). obt                      (b) .doc                      (c) .odt                      (d) .docx
  - (ii) Which of the following technique selects a sentence in Writer?  
(a) Single click (Pressing left button of mouse)                      (b) Double Click  
(c) Triple Click                      (d) None of the above
  - (iii) Which of the following is a shortcut key to Redo any operation?  
(a) CTRL + R                      (b) CTRL + Y                      (c) CTRL + X                      (d) CTRL + Z
  - (iv) To find a word in a document we can use which of the following function key?  
(a) F5 key                      (b) F8 key                      (c) F1 key                      (d) None of the above (v) .
  - (V) Which of following is not a component of the Office Suite?  
(a) Writer                      (b) Impress                      (c) Internet Explorer (d) Base

- (vi) The most widely used word processing software in late 1970s was\_\_\_\_\_.
- (a) Word Perfect    (b) Word                      (c) Word Star                      (d) Writer
- (vii) We can change the mistakes noticed in which of the following?
- (a) Electronic typewriter                      (b) Word processor software
- (c) Simple typewriter                      (d) Both (a) and (b)
- (viii) Header and Footer are available in which of the following menus?
- (a) File Menu                      (b) Insert Menu                      (c) View Menu                      (d) Edit Menu
- (ix) To hide or view ruler we should go to which of the following menus?
- (a) Tools Menu                      (b) Insert Menu                      (c) View Menu                      (d) Edit Menu
- (x) To check the grammar, we should go to which of the following menus?
- (a) Tools Menu                      (b) Insert Menu                      (c) View Menu                      (d) Edit Menu

**Note : Do all the below questions in your practical file**

- Q5 Open Ms-Word and perform the following:
1. Enter the text and format the paragraphs as shown in Table in Column A.
  2. Format it again as shown in Column B . Save and close the document.
  3. Paste the printout of the same in your Practical file

Column A	Column B
<p><b>What is a computer?</b></p> <p>A computer is an electronic device that manipulates <b>information or data</b>. It has the ability to <b>store, retrieve, and process</b> data.</p> <p><b><u>You can use a computer to type document,</u></b> send email, and browse the web.</p> <p>You can also use it to handle <b>spreadsheets, accounting database, management, presentations, games, and more.</b></p>	<p><b>What is a computer?</b></p> <p>A computer is an electronic device that manipulates information or data. It has the ability to <b>store, retrieve, and process</b> data.</p> <p><b><u>You can use a computer to type documents</u></b> send email and browse the Web.</p>

- Q6 Practice to assign normal bullets and numbering to the list items as shown in figure below. Create a new document and enter the text on Computer Memory. Assign the variety of bullets and numbering as shown in the figure. Paste the printout of the same in your Practical file

## Computer Memory is Categorized in to two types:

### 1 Primary Memory

1.1. RAM

1.2. ROM

### 2 Secondary Memory

2.1. Hard Disk

2.2. Pen drive

2.3. CD/DVD

2.4. Memory Card

### Storage Capacity

- Bit
- Nibble
- Byte
- Megabyte
- Gigabyte

### Cloud Storage

- a) Google Drive
- b) Drop Box

Q7 Create a table in MS- Word as shown in the figure below. Save it in your Desktop . Paste the printout of the same in your Practical file

Time Table Class 9									
Day/ Period	1	2	3	4		5	6	7	8
Time	7:30 to 8:10	8:10 to 8: 50	9:00 to 9:40	9:40 to 10:20	10:20 to 10:40	10:40 to 11:20	11:20 to 12:00	12:10 to 12:50	12:50 to 13:30
Day 1					LUNCH BREAK				
Day 2									
Day 3									
Day 4									
Day 5									
Day 6									

## Q8 Open MS-WORD and perform the following

1. Prepare your page as follows.

Size – A4	Orientation Landscape	Margins – 2' from left and right 1.5' from top and bottom
-----------	--------------------------	--

Use 'Page Setup' Dialogue Box. 2. Use Bold, Italic, Underline, Change Case, Font Color and Format the text as shown below and save it as Activity 3. Close the document.

### REPORT

#### **Field Visit to IT Job Fair**

We visited the IT Job Fair, 2018 held at **Kasturchand Park, Nagpur** on 5th July. It was quite knowledgeable experience for us. We came to know about the various information in IT Sector.

The **Information Technology & Information Technology Enabled Services (IT-ITeS)** sector is a field which is undergoing rapid evolution and is changing the shape of Indian business standards. This sector includes software development, consultancies, software management, online services and **Business Process Outsourcing (BPO)**.

## **SANSKRIT**

ग्रीष्मावकाश गृहकार्य – 2023–2024

कक्षा – नवमीं

विषय – संस्कृतम्

रचनात्मक कार्य

1. जीवनयात्रा के लिए किन-किन गुणों का होना अनिवार्य है। आप अपने भाव को संस्कृत के तीन श्लोकों के माध्यम से रचनात्मक तरीके से प्रस्तुत करें।
2. वर्णों का उच्चारण मुख के किन-किन अंगों से किया जाता है। आप इसे सचित्र प्रस्तुत करें।
3. संस्कृत में कोई एक स्लोगन लिखें।  
उदा. वृक्षाः आरोपितव्याः। जलम् एव जीवनम्
4. अंडमान निकोबार एवं लक्षद्वीप के दर्शनीयस्थलों को सचित्र प्रस्तुत करें। (परियोजना कार्य)

लिखित कार्य

दी गई कार्यपत्रिका को हल करें।

स्मरणात्मक कार्य

पाठ्यक्रम में दिए गए शब्दरूप एवं धातुरूपों को स्मरण करें।



## ( क ) अपठित-अवबोधनम्

5

### 1. अनुच्छेदं पठित्वा प्रश्नानाम् उत्तराणि लिखत—

वयं सर्वाणि कार्याणि शरीरेण एव कुर्मः। शरीरम् एव अस्माकं सर्वेषाम् एव कर्तव्यानां प्रमुखं साधनम् अस्ति। धर्मस्य पालनस्य साधनम् अस्ति। अतः शरीरेण सदा स्वस्थाः भवेयुः। शरीरस्य स्वास्थ्याय सन्तुलितभोजनस्य सेवनम् अनिवार्यम्। न केवलं सन्तुलितभोजनम् अपितु शरीरस्य स्वास्थ्याय व्यायामः अपि आवश्यकः।

#### (I) एकपदेन उत्तरत—

$$\frac{1}{2} \times 2 = 1$$

(i) सर्वाणि कार्याणि केन कर्तव्यानि?

(ii) सर्वेषाम् एव कर्तव्यानां प्रमुखं साधनम् किं अस्ति?

#### (II) पूर्णवाक्येन उत्तरत—

$$1 \times 2 = 2$$

(क) केन स्वस्थाः भवेयुः?

(ख) शरीरस्य स्वास्थ्याय किम् आवश्यकम्?



(III) निर्देशानुसारम् उचितम् उत्तरं विकल्पेभ्यः चित्वा लिखत-

$$\frac{1}{2} \times 4 = 2$$

(i) 'कार्याणि' अस्य किं विशेषणपदम् अनुच्छेदे प्रयुक्तम्?

(क) सर्वम्

(ख) सर्वस्य

(ग) सर्वाणि

(घ) सर्वमिन्

(ii) 'कुर्मः' अस्य किं कर्तृपदम् अनुच्छेदे प्रयुक्तम्?

(क) सः

(ख) यूयम्

(ग) वयम्

(घ) त्वम्

(iii) 'शरीरस्य स्वास्थ्याय व्यायामः अपि आवश्यकः' अस्मिन् वाक्ये किम् अव्ययपदं प्रयुक्तम्?

(क) शरीरस्य

(ख) व्यायामः

(ग) अपि

(घ) आवश्यकः

(iv) 'स्वस्थाः' अस्य किं क्रियापदम् अनुच्छेदे प्रयुक्तम्?

(क) भवेत्

(ख) भवेयम्

(ग) भवेयुः

(घ) भवेत

### (ख) रचनात्मकं कार्यम्

15

5

2. अधोलिखितं पत्रं मञ्जूषायां प्रदत्तशब्दैः पूरयित्वा पुनः उत्तरपुस्तिकायां लिखत-

प्रिय ..... (i) .....

सप्रेमनमस्कारः

अत्र कुशलं ..... (ii) ..... अस्तु। तव पत्रं प्राप्तम्। अस्मिन् पत्रे अहम् विद्यालयस्य ..... (iii) .....

..... अधिकृत्य किञ्चित् लिखामि। अस्मिन् अवसरे शोभा ..... (iv) ..... आसीत्। शिक्षानिर्देशकः

योग्यछात्रेभ्यः ..... (v) ..... अयच्छत्। शेषं कुशलम्। पितृभ्यां मम प्रणामं निवेदयतु।

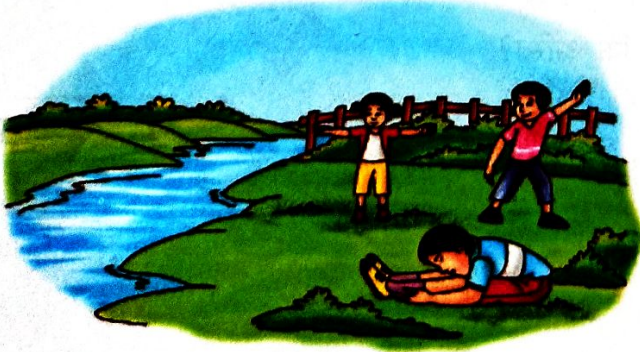
भवतः मित्रम्

रामेन्द्रः

वार्षिकोत्सवम्, अपूर्वा, तत्र, पुरस्कारान्, रमेश

3. चित्रं दृष्ट्वा मञ्जूषातः शब्दान् चित्वा पञ्चवाक्यानि रचयत-

$$1 \times 5 = 5$$



### मञ्जूषा

नद्याः, भ्रमणाय, तीरे, शीतलः, बालौ, बालिके,  
व्यायामम्, कुरुतः, गच्छतः, वायुः वहति।

4. अधोलिखितं संवादं पठित्वा रिक्तस्थानानि मञ्जूषायां प्रदत्तशब्दैः पूरयत-

माता - किं करोति भवती?

पुत्री - अहं चिन्तयामि।

माता - भवती ... (i) ... ।

पुत्री - आम्।

माता - परम् किम्?

पुत्री - ... (ii) ... ।

माता - कथां चिन्तयति।

पुत्री - अधुना कथा-लेखनम् अपि एकः शिक्षायाः विषयः।

माता - परं कथायाः ... (iii) ... कः?

पुत्री - विषयः तु ... (iv) ... इच्छायाम् उपरि आधारितः।

माता - तदा तु उचितम्।

पुत्री - आम्। ... (v) ... बन्धनं न अस्ति।

**मञ्जूषा**

विषयः, अस्माकम्, विषयस्य, चिन्तयति, कथाम्

**( ग ) अनुप्रयुक्त-व्याकरणम्**

5. अधोलिखितेषु रेखांकितपदेषु सन्धिं सन्धिविच्छेदं वा कुरुत-

(क) ..... (चिकित्सा + आलयः) समीपे वर्तते।

(ख) गंगोदकम् आनय।

(ग) ..... (राम + अयनम्) रम्यं वर्णनं करोति।



## (क) अपठित-अवबोधनम्

5

### 1. अनुच्छेदं पठित्वा प्रश्नानाम् उत्तराणि लिखत—

आधुनिककाले पर्यावरणं पूर्णरूपेण परिवर्तितं जातम्। कदाचित् अतिशीतं भवति कदाचित् तु उष्णतायाः वातावरणं भवति। पर्यावरणं पूर्णतया परिवर्तितम् एव। अधुना तु शीत-ऋतौ अपि शीतः न भवति अपितु शीतः तदनन्तरम् एव भवति। वर्षा अपि वर्षा-ऋतोः अनन्तरं भवति। अधुना तु पर्यावरणस्य कालः तु परिवर्तितः एव।

(I) एकपदेन उत्तरत—

1

(i) आधुनिककाले किं परिवर्तितं जातम्?

(ii) किं पूर्णतया परिवर्तितम् एव?

(II) पूर्णवाक्येन उत्तरत—

2

(i) अधुना कस्य कालः परिवर्तितः एव?

(ii) किं पर्यावरणस्य कालः परिवर्तितः एव?

(III) निर्देशानुसारम् उत्तरत—

$$\frac{1}{2} \times 4 = 2$$

(i) “पर्यावरणं पूर्णतया परिवर्तितम् एव” अस्मिन् वाक्ये किम् अव्ययपदम्?

(क) पर्यावरणम्

(ख) पूर्णतया

(ग) परिवर्तितम्

(घ) एव



(ii) "भवति" इति क्रियापदस्य किं कर्तृपदम् अत्र प्रयुक्तम्?

(क) उष्णतायाः (ख) वातावरणम् (ग) पर्यावरणम् (घ) परिवर्तितम्

(iii) "पश्चात्" इत्यर्थे किं पदम् प्रयुक्तम्?

(क) तत् (ख) अनन्तरम् (ग) अपितु (घ) अधुना

(iv) "शीतलतायाः" अस्य किं विलोमपदम् अत्र प्रयुक्तम्?

(क) उष्णतायाः (ख) पर्यावरणस्य (ग) परिवर्तितः (घ) पूर्णतया।

### (ख) रचनात्मकं कार्यम्

15

2. अधोलिखितं पत्रं मञ्जूषायाः पदैः पूरयत-

प्रिय .....(i).....

सप्रेमनमस्कारः

5

अत्र .....(ii)..... तत्र अस्तु। आगामिसप्ताहे मम .....(iii)..... अस्ति। अस्मिन् वर्षे मम मातपितरौ एतं .....(iv)..... विशेष-उल्लासेन मानयितुं निश्चितौ अतः भवतां .....(v)..... अनिवार्या। शेषं कुशलम्। पितृभ्यां मम प्रणामं निवेदयतु।

भवतः मित्रम्

शुभम्।

मञ्जूषा-

उपस्थितिः, कुशलम्, जन्मदिवसः, राकेश, दिवसम्

5

3. चित्रं दृष्ट्वा मञ्जूषायाः शब्दान् चित्वा पञ्चवाक्यानि रचयत-



मञ्जूषा-

तरन्ति, जले, जनाः, महिलाः, पुरुषाः, प्रसन्नाः, भवन्ति, खेलन्ति, परस्परम्, पश्यन्ति



4. अधोलिखितं संवादं पठित्वा रिक्तस्थानानि मञ्जूषायां प्रदत्तशब्दैः पूरयत-

लता - रमे! कस्यां चिन्तायां मग्ना?

रमा - ... (i) .....।

लता - पठनस्य (आश्चर्येण)।

रमा - आम्। आम्। स्वाध्यायस्य तु ... (ii) ..... एव न प्राप्यते।

लता - विद्यालयात् यदा ... (iii) ..... आगच्छसि तदा किम् करोषि?

रमा - गणित-विज्ञानविषययोः पठनार्थं ... (iv) .....।

लता - अहम् तु ... (v) ..... न गच्छामि।

रमा - (आश्चर्येण) सत्यम् कथयसि।

लता - आम्। अहं कक्षायाम् एव ध्यानेन शृणोमि।

**मञ्जूषा-**

कालः, गच्छामि, कुत्रापि, पठनस्य, त्वम्

**( ग ) अनुप्रयुक्त-व्याकरणम्**

5. अधोलिखितं सन्धिं सन्धिविच्छेदं वा कुरुत-

(क) सः नरोत्तमः अस्ति।

(ख) कः + अपि क्षुधया पीडितः न अस्ति।

(ग) नायकः देशम् उन्नयति।



1. सन्धिं सन्धिच्छेदं च कुरुत।

(i) सुर + ईशः

(ii) गुरुपदेशः

(iii) सिन्धूमि

(iv) दरीच्छा

(v) नदी + इयम

(vi) गजेन्द्रः

(vii) महा + रुद्रः

(viii) महोत्सवः

(ix) चञ्चलोमिः

(x) देवर्षि

(xi) भर्त्रेव

(xii) महा + औषधिः

(xiii) तर्कदार्ढ्यम्

(xiv) मा + एवम्

(xv) जनोपः

(xvi) वित + एषणा

(xvii) प्रार्थना + एषा

(xviii) एकेकः

(xix) देव्युवाच

(xx) अन्वयं

(xxi) वधू + आदेशः

(xxii) गुर्वदेशः

(xxiii) रौ + अनः

(xxiv) अजितः

(xxv) सुप् + अन्तः

(xxvi) मधुरम् + दसति

(xxvii) सीताम् + पश्यति

(xxviii) पत्रं लिखति

(xxix) सः + अपि

(xxx) नमस्ते

2. उच्चारण-स्थानं लिखत।

च, ल, क, ह, ज, ए, औ, व, उ, ट, ठ, म, न, ऋ

3. उचित-अव्ययपदैः शिक्तस्थानानि पूरयत।

मृषा, द्यौः, श्वः, बटिः, सदा, ऊर्ध्वैः, सर्वज्ञ, नीचैः

(i) — गच्छ।

(ii) — सत्यं वद।

(iii) कक्षायां — मा वद।

(iv) — त्वं कुत्र आसीः।

(v) अहं — गमिष्यामि।

(vi) — मा वद।

(vii) जलम् — वहति।

(viii) — ईश्वरस्य वासः।

ग्रीष्मावकाश गृह कार्य 2023- 24

विषय - हिंदी

कक्षा - नवमी

रचनात्मक कार्य

- (1) किन्हीं चार पर्वतारोहियों के विषय में जानकारी एकत्रित कीजिए वउनका सचित्र विवरण ए-3 आकार की रंगीन सीटों पर आकर्षक रूप से लिखिए।
- (2) 'हरिवंश राय बच्चन' अथवा 'महादेवी वर्मा' की किसी कविता को सचित्र रंगीन चार्ट पर आकर्षक ढंग से लिखिए।
- (3) दिए गए संकेत बिंदुओं के आधार पर रहीम दास जी से संबंधित एक सचित्र कार्य प्रपत्र का निर्माण कीजिए  
बिंदु -  $\Delta$  जन्म तिथि व जन्म स्थान  $\Delta$  पूरा नाम  $\Delta$  पारिवारिक विवरण  $\Delta$  रचनाएं  $\Delta$  भाषा- शैली  $\Delta$  मृत्यु तिथि व मृत्यु स्थान  $\Delta$  कोई दो दोहे।

लिखित कार्य

- (1) निम्नलिखित प्रश्नों के उत्तर दीजिए

(क) 'दुख का अधिकार' पाठ में जब लेखक बुढ़िया के पास बैठकर उसे सांत्वना न दे सका तो उसकी क्या हालत हुई और क्यों?

(ख) मनुष्य की पोशाक उन्हें विभिन्न श्रेणियों में कैसे बांट देती है?

(ग) कवि रैदास ने अपने पदों में प्रभु की किन- किन विशेषताओं का उल्लेख किया है, वे अपने भक्तों के कष्ट किस प्रकार दूर करते हैं?

(घ) कवि रैदास नामदेव, त्रिलोचन आदि साधु संतों का उल्लेख करके क्या स्पष्ट करना चाहते हैं?

(ङ) जीव-जंतु भी मनुष्य की तरह संवेदनशील होते हैं 'गिल्लू' पाठ के आधार पर सिद्ध कीजिए।

(च) लेखिका को पशु पक्षियों से अत्यधिक प्रेम था उनके घर में बहुत से पशु पक्षी थे लेकिन गिल्लू उनमें विशिष्ट था, कैसे?

(2) हाल ही में आपके विद्यालय में 'सड़क सुरक्षा कार्यशाला' का आयोजन किया गया सड़क सुरक्षा नियमों का पालन करना हमारे लिए कैसे हितकारी सिद्ध हो सकता है ? इस विषय पर सलाह देते हुए अपने मित्र को पत्र लिखिए।

(3) आप 'राधा गार्डन' मथुरा के विनीत राणा हैं। आपका छोटा भाई उच्च शिक्षा हेतु विदेश जाने के लिए माता-पिता से जिद कर रहा है घर की आर्थिक स्थिति के बारे में अवगत कराते हुए उसे पत्र लिखिए।

(4) दिए गए संकेत बिंदुओं के आधार पर निम्नलिखित विषयों पर 100 से 125 शब्दों में अनुच्छेद लिखिए

(क) नैतिकता का गिरता स्तर

संकेत बिंदु -  $\Delta$  नैतिकता का अर्थ  $\Delta$  नैतिक हास के कारण  $\Delta$  धन का महत्व  $\Delta$  धर्म का प्रभाव कम

(ख) प्रतियोगिता से लाभ

संकेत बिंदु -  $\Delta$  प्रतियोगिता का अर्थ  $\Delta$  इसके रूप  $\Delta$  इससे होने वाले लाभ  $\Delta$  व्यक्ति को स्वयं से अधिक प्रतिभाशाली लोगों का पता चलना।

निर्देश - समस्त लिखित कार्य मुक्त पृष्ठों ( loose sheets) पर कीजिए।

कार्य पत्रिका

- (1) निम्नलिखित शब्दों में से उपसर्ग और मूल शब्द अलग कीजिए

शब्द	उपसर्ग	मूल शब्द
(1) अवगुण	-----	-----
(2) सदाचार।	-----	-----

- (3) पुनर्जन्म -----  
 (4) बदनाम -----  
 (5) अधखिला -----  
 (6) विशुद्ध। -----  
 (7) खुशखबरी -----  
 (8) पराभव -----  
 (9) गैरहाजिर -----  
 (10) भरपेट। -----

(2) निम्नलिखित शब्दों में से प्रत्यय व मूल शब्द अलग कीजिए

शब्द।	प्रत्यय	मूल शब्द
(1) हैवानियत	-----	-----
(2) ज्ञानवती	-----	-----
(3) खटिया।	-----	-----
(4) दैनिक	-----	-----
(5) कड़वाहट	-----	-----
(6) लुटेरा	-----	-----
(7) कृपालु	-----	-----
(8) घुमक्कड़	-----	-----
(9) सजावट	-----	-----
(10) खिलौना	-----	-----

(3) निम्नलिखित में से विकारी - अविकारी शब्द भेद को छांट कर लिखिए

सर्वनाम क्रिया विशेषण समुच्चयबोधक संबंधबोधक संज्ञा क्रिया विशेषण विस्मयादिबोधक निपात  
 विकारी शब्द। अविकारी शब्द

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(4) (क) वाक्य में प्रयुक्त शब्द ----- कहलाता है।

(ख) जिन शब्दों में लिंग वचन कारक आदि के कारण

परिवर्तन हो जाता है उन्हें ----- कहते हैं।

(ग) पिताजी बाजार जा रहे हैं वाक्य में पिताजी शब्द है या पद?

(घ) मोहन लड़का बाजार कमल शब्द है या पद

(ङ ) विकारी शब्दों के ----- भेद होते हैं।

(5) निम्नलिखित उपसर्ग एवं प्रत्ययों से बने दो-दो नए शब्दों का निर्माण कीजिए

उपसर्ग/ प्रत्यय	नवीन शब्द
(1) उप	-----
(2) स्व	-----
(3) प्रति	-----
(4) अन	-----

- (5) औती -----
- (6) आक -----
- (7) इयल -----
- (8) आर -----

## **ART INTEGRATION**

1. The **Jarawas** are recognised as an Adivasi group in India. They have inhabited the islands for several thousand years along with other indigenous Andamanese people. But now they are running under the risk of extinction as poaching, tourism and growing modernism is threatening their survival. Prepare a project on 'The Jarawa Tribe' highlighting their history, lifestyle, culture, festival and food. Suggest some ways to bring them under the main stream without exploiting their culture.
2. Do as directed:
  - (a) Prepare a bar graph showing comparison of population density of the given years: 2001, 2011 and 2021.
  - (b) Prepare a line chart showing male : female ratio.
  - (c) Prepare a pie chart or bar graph demonstrating population of rural and urban area
3. Write an analytical paragraph based on the above graphical representations and compare the literacy rate among males and females and also comment upon the factors that influence the population size of urban and rural areas.
4. Find out about the main crops grown in Andaman and Nicobar Islands and Lakshadweep. Also, comment upon their growing season and specific agricultural practices.
5. Make a brief project on food choices, spoken languages, climatic conditions, ornaments and dresses preferred by the people residing in Andaman and Nicobar Islands