## Jain Vidya Mandir Sr. Sec School ,Sonipat

## Holidays' Homework

## Class-9th

## English

BEEHIVE- Learn Lesson 1,2 and 3

Learn Poem-1 and 2

MOMENTS - Learn Lesson 1,2 and 3

GRAMMAR - practise:Tense,Determiner, Modals

#### Activity: Do the following activities as per the given instructions:

#### Roll no 1 to15 ( Do any two)

- 1. Make a collage of different books.
- 2. Draw a picture of e school.
- 3. Make a model of fair ground.
- 4. Paste different types of music instruments on A4 size sheet.
- 5. Make a portrait of Bismillah Khan on a chart.
- 6. Make a model of shehnai.

#### Roll no 15 to 30 ( Do any two)

- 1. Make a Model of different literary devices.
- 2. Draw a picture showing parents child love on A4 size sheet.
- 3. Compose a poem on your favorite topic.
- 4. Write your experience of summer vacation in the form of diary entry.
- 5. Prepare a gift for your parents (best out of waste material)

6.Draw a picture of a diverged road.

#### Roll no. 30 onwards ( Do any two)

- 1. Make a cover Page of THE LITTLE GIRL on A4 size sheet.
- 2. Draw a rainy scene on a chart.
- 3. Draw a jungle scene on A4 size sheet.
- 4. Make a skeleton using available material.
- 5. Prepare a chart on Modals.
- 6. Prepare a chart on Tenses.
- 7. Make a Model of Shehnai.

#### Worksheet -1

#### (Attempt in fair notebook)

- 1. What was Father's and Kezia's morning routine?
- 2. Who were the people in Kezia's family?
- 3. Write a brief note on the County Inspector.
- 4. Describe the old school as described in the book? How did it influence Margie?
- 5. Which qualities of character enabled Evelyn to achieve unprecedented success in life?
- 6. Evelyn did not succumb to her disability. Comment.
- 7. 'The Road Not Taken' is a metaphor of life.Justify this statement.
- 8. What challenges are posed by wind in the life of the poet and the common man?
- 9. Describe the character of the child as depicted in the story.

10. Based on your reading of the lesson "Adventures of Toto", do you think it is a great idea to keep animals as pets?

- 11. Do you think the title 'Iswaran the Storyteller' is appropriate?
- 12. Iswaran was a fantastic storyteller. Comment.

#### Worksheet-2

#### (Attempt it in fair notebook)

#### (A)



#### DETERMINERS

- LEVEL B1 L Choose A, B, C or D to indicate the correct answer to each of the following questions.
- 1. Very\_\_\_\_\_ A. little \_people came up with a solution to this difficult math problem. B. few C. many D. much 2. I usually listen to the weather forecast, though I have\_
- faith in it. A. little B. few C. many D. a large number of is capable of greatness as long as he or she is determined.
   A. No one B. Everyone C. Many D. Few

- \_\_\_\_\_variants of the H5N1 virus still circulate there. A. any several B. all more C. eac C. each - plenty D. some - some of 6. We had so many people over to lunch yesterday, but there was\_\_\_\_ food for
- everybody. A. enough of B. plenty of C. a lot D. too much
- A. Many B. Hundreds of C. Thousands of D. Much 8. The exam board invested\_\_\_\_\_\_of money into setting up security camera
- 8. The exam board invested around the school campus. A. many B. a great deal C. much of th D. a large number

- A. a tot of
   b. many
   C. a great number
   D. tew

   12. She\_\_\_\_\_got into trouble when she joked at a formal meeting last month.

   A. almost
   B. mostly
   C. almost of
   D. mostly of

   13. Although a new law banning public smoking was valid\_\_\_\_\_day, the
- situation hasn't improved much. A. the others B. every other B. every others C. every other D. the other
- 14. The newspaper report contained\_\_\_\_ \_\_important informa C. an ion A. many B. another 15. He's always busy. He has\_\_\_\_\_ D. a lot of
- time to relax. A. much B. little C. a little D. plenty of
- 16. I spent\_\_\_\_\_ \_my spare time gardening last year.
- A most of D. a large number of B. most C. many of 17. There was so \_ traffic that it took me an hour to get home.
- D. many A. a lot of B. little C. much

	गीवमानमाश, गृहमार्थ गीवमानमाश, गृहमार्थ	N.	
	कक्षा - नौवी विषय- हिंदी सप्त 2022- 23		व्यामरण- उपसग-प्रत्यम तथा समास के कीई उठ उदाहरण अपनी उत्तर-पुस्तिका में लिखिरग
	पाह्य पुस्तक दितिज भागा-1 गह्य उगंड - पाठ-1 दी बैली की कथा? पाठ-2 ल्हासा की और?		रेचनाल्भन कार्य-
<u>*1016</u>	काल्य प्याउ - कार्य ता - 1 ° केवार की सार्थ्य मा कार्यता - 2 ° वाप्य ? दिरु गरु पाठी की च्यानपूर्वक पढ़ी व रुक-रुक जंक के 15	·	<गीती बातों को भुलाकर ही जीवन सुधार। जा सकता हैं' इस विषम पर 80 से 100 ग्राब्दों में अपने विचार लिखिसा "सारमी जीवन ही जीवन है' उस विषम पर कोई सम्ह नवान्त्रा
1 - 1 - 1 - 1 	प्रस्थ / उत्तर हॉर्टकर अपनी उत्तर- पुस्तिका में लिखिए। पाढय पुस्तक से संबंधित क्रियाकलाए -	•	लिखिश स्मि पोस्टर बनाइर जिसमें लावारिस वस्तुओं की न छूने
	रुकता में बाबित हैं' इस आब की दर्शाने वाले मीई दी स्लोगन चार्ट पर दर्शाइका	•	जार पुलस का साथत करने से संवाधत जानकारी हो। 'बचुपान से दुर होते बच्चे' बीर्धक पर प्रीलेक्ट तेमार कीर्जिस।
•	पाठ में वर्णित कांजी होंस का वर्णन चित्र के मारूगम से दर्शाइसा माचिस की तीलियों व आइसक्रीम स्टीक से जाय में वर्णित	•	आफलार्रन भा ऑनलार्रन शिक्षा राहण करने के अंतर रूष समानता पर अपनेभाव स्पष्ट कीजिस् रूकू रूसी कविता मा कहानी लिखिर जिसमें आएके
•	नाव का नाडल तमार का फिए । हिन्दू और मुस्लमान के प्रेम को दर्शाता हुआ दृश्य अपनी स्त्रैम खुकू में लगाइर । 9 9 4 4 4	~	सपनों का वर्णन हो। (म-म साढल शीट मर)
	आप भी किसी स्थान पर धूमने गरु हो, वहाँ खींची हुई तस्वीरी, से कौलांज बनाइरु) पाठ में वर्णित योङला के जंगलों का वर्णन चित्र के	929J.	प्रेमचंद ने अपनी कहानी भ दो बैंसी की कबार में किसका वर्षन किया है?
(hire-shear) bhair an Iona	मार्थ्यम की जिस् । कंबीरदास की कोई दी साख़ियाँ चार्ट पर दर्शाइरू।	Ч2-12. Уде-3.	्या बला का कुंधा कहानी में किस- किस का संबंध्य विखागा ग्रामा है। भारतवासियों की किस देखा में नहीं ग्रयने भिग लाना जान
•	मोवारपात् गा जापणा पर प्राजन तमार् काणिए।	प्रवन्ध. प्रवन् 5.	तिब्बत में भिरामंगे भीख मॉगने के लिए नमा कहते में? सुमति कोन गर
lev xal	उपमुक्त क्रियाक्तलाप आपक पाढ्य क्रम सं संबंधित है।इनमें से आप कोई तीन क्रियाक्तलाप करेंगे।	Har 7. Har 8.	लाखवत न तभाष ध्यम के उनुमामी रहत थे? कवीरदास के उनुसार हरेंस कहाँ केलि करते है? किस वूस्तु से करें हुए स्वर्ण ज्लागु की साथु निंदा करते हैं?
		9219.	गबार के अनुसार किंसकी ऑप्टी आई है?

1	
1 92-10	ललहाद ने किस, गांग पर' न्वलने का खपदेंग दिगा है?
42-111.	कवर्मिही को कौन-सी चार घेरे हुए हैं?
42-112.	ललहाद में इंग्रवर की पहचान कमा वताई है?
	+ बहविनालपीय प्रय-1/3नार +
Hat 13.	लैखन ने जुनुसार सबसे बुद्धिहीन जानवर किसे समझा जाताहै
	या. विलया था. गाम ना त
	Jr. Jed an 999. 9 219 2121 an
42-14.	दूसरी बार गया बेला का केस ल गया?
	क. पीरता हुआ ख. बेलगाडी में जीतकर
1	ग. प्रेम पूर्वक व्या हल में जीतकर
1 92-1 15.	तिवबत में डाकुओं के लिस कौन- सा' स्थान' आच्छा माना गया है?
	क. उाँड़ा, जि. लहीसा
	ग. लउ्नोर व. धाउ्ला
920 16	तिरुरी का मैदान कैसा था?
	क, पहार्डों से बिरा हुआं ख, नादिमों से बिरा हुआ
	ग, बर्फ से दमा हआ घ, फसलों से भरा हुआ
42-17.	कवीरदास किस प्रेमी की वात करते हैं?
1	क परमाटमा के भन्त की रब साधारण मनुष्य
2	ग. गहरै भिन्न घ योखेबाज प्रैमी
42718	कौन-सी रारी उड गई है?
//~ / 10.	क फॅस की रब मगीवीत पवन की
	म निन्ने की हा भूम की
Taria	THE A GULT AT ARE ANT 2
Ham 19.	लिल्हाद ज मिसना में मिसने हो
	क. स्थामिक आइवरा मा
mentioner	ग. लालचा प्रवास का विस. इनने राजाइ नहा
42-120.	' खुलगा सामल' बद द्वार' का ' में किस द्वार का आर
	सम्मत् निम्मा हर
	क, जल के द्वार ख. मन रुपी द्वार
q	ग. बर के दुवार के पाठ शाला के दुवार के
नीट-	उप्रमुन्त नामेपरिका को अपनी (1) के कि कि उत्तर-पुस्तिका में
-	an with (rais note ono K)
22.00	Muce

# Subject Maths

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Express the following in the form of plg :
(a) 0.3
                 (b) 3.14
(c) 0.001
                 (d) 0.163
Find the value of :
(a) (125)<sup>-2/3</sup>
                       (b) (343)^{2/3}
Simplify by rationalizing the denominator :
Simplify :
                +
Find the value of a and b in each of the following :
(a) = a - 6
                        (b) = 2-b
Represent on number line.
Factors of 3x^2-x-4 are :
(a) (x - 1) and (3x - 4)
                                 (b) (x + 1) and (3x - 4)
(c) (x + 1) and (3x + 4)
                                 (d) (x - 1) and (3x + 4)
 Factors of x^2 + 11x + 18 are:
(a) (x + 9) (x − 2)
                                (b) (x - 9) (x - 2)
(c) (x - 9) (x + 2)
                                (d) (x + 9) (x + 2)
Find the zero of the polynomial in each of the following cases:
(a) p(x) = x + 5
                                        (b) p(x) = ax, a \neq 0
(c) p(x) = cx + d, c \neq 0, c, d are real numbers.
Evaluate the following :
(a) 102 x 106
                                (b) 103 x 96
(c) 95 x 97
                                (d) 98 x 99
Without actually calculating cubes find the value of
(25)^3 + (-17)^3 + (-8)^3
Find the remainder when x^{51} +51is divided by x + 1.
Factorise : 27x^{3} + y^{3} + z^{3} - 9xyz
The perimeter of an isosceles triangle is 32cm the ratio of the equal side to its base is
3:2. Find the area of triangle.
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Find the area of triangle two sides of which are 16 cm and 22 cm and perimeter is 64 cm

### Revise chapter 1, 2, and 12.

## **Integrated project topic**

1. To establish interesting mathematical relationships by measuring some parts of the body.

2. Make a model by using the formula with several examples of triangles.

3. Make a puzzle worksheet with images of heron's formula.

4. Refer history of mathematics sources from your library or Internet and prepare a poster or a document on any topic of your interest. The students can choose topics from history of

mathematics, for doing a project. For instance, the topic can be about an Indian mathematician or the concept of zero in various ancient civilizations.

#### Science

Project work

All the students will prepare a working model on the following topic roll no. wise

Roll no. 1 to 10 - water level indicator

Roll no. 11 to 20 - Wind turbine

Roll no. 21 to 30 - Human heart

Roll no. 31 to 40 - Biogas plant

Try to use waste materials for these models

Read about at least five scientists and their contribution in chemistry and write at least 50 words on each.

Solve the given assignement questions in a separate notebook.

#### Chapter 1

- 1. Why do we see water droplets collected on the outer surface of a glass container, containing ice?
- 2. Explain why solids have fixed shape but liquids and gases do not have fixed shape.
- 3. Why is it advisable to use pressure cooker at higher altitudes?
- 4. What are fluids?
- 5. Why is water liquid at room temperature?
- 6. Cotton is solid but it floats on water. Why?
- 7. Why are solids generally denser than liquids and gases?
- 8. Name the factors that affect evaporation.
- 9. How is the high compressibility property of gas useful to us?
- 10. With the help of an example, explain how diffusion of gases in water is essential?
- 11. On a hot sunny day, why do people sprinkle water on the roof or open ground?
- 12. Why to people perspire a lot on a hot humid day?
- **13.** A balloon when kept in sun, bursts after some time. Why?
- 14. Pressure and temperature determine the state of a substance. Explain this in detail.
- **15.** Explain giving examples the various factors on which rate of evaporation depends.

#### Chapter 5

#### Question 1. Fill in the blanks: (10)

Transporting channel of the cell is	
Chromosomes are made up of	and
The infolding of mitochondria is known as	
Storage sac of the cell is	

Non-membranous organelle of cell is..... Smallest cell in human is..... is the full form of DNA. ATP stands for..... Cells which change their shapes are..... and..... Largest cell in the world is.... Question 2. Differentiate between: (10)

Osmosis and diffusion Prokaryotic cell and eukaryotic cell plasma membrane and cell wall plant cell and animal cell **Question 3.** Give the structure and functions of following: (10)

Endoplasmic reticulum Mitochondria Centrosome Golgi bodies

**Question 4.** How do substance like CO<sub>2</sub> and water move in and out of the cell? (3) **Question 5.** What is nucleus? Describe it parts and functions? (3) **Question 6.** What happen? (4)

If Dry apricot placed in pure water?

Plasma membrane get ruptures or breakdown? **Question 7.** Why lysosomes are called suicidal bag of the cell? (2) **Question 8.** Draw a labelled diagram of animal cell.

#### Chapter 8

1. (a) Identify the kind of motion in the following cases:

(i) A car moving with constant speed turning around a curve.

(ii) An electron orbitting around nucleus.

(b) An artificial satellite is moving in a circular orbit of radius 36,000 km. Calculate its speed if it takes 24 hours to revolve around the earth.

2. (a) Define average speed.

(b) A bus travels a distance of 120 km with a speed of 40 km/h and returns with a speed of 30 km/h. Calculate the average speed for the entire journey.

3. Define uniform and non-uniform motion. Write one example for each.

**4.** What does the odometer of an automobile measure? Which of the following is moving faster? Justify your answer.

- (i) A scooter moving with a speed of 300 m per I minute.
- (ii) A car moving with a speed of 36 km per hour.

**5.** A car travels from stop A to stop B with a speed of 30 km/h and then returns back to A with a speed of 50 km/h. Find

- (i) displacement of the car.
- (ii) distance travelled by the car.
- (iii) average speed of the car.

**6.** Velocity-time graph for the motion of an object in a straight path is a straight line parallel to the time axis.

- (a) Identify the nature of motion of the body.
- (b) Find the acceleration of the body.
- (c) Draw the shape of distance-time graph for this type of motion.

**7.** Draw the shape of the distance-time graph for uniform and non-uniform motion of object. A bus of starting from rest moves with uniform acceleration of 0.1 ms<sup>-2</sup> for 2 minutes. Find

- (a) the speed acquired.
- (b) the distance travelled.

8. (a) Define uniform acceleration. What is the acceleration of a body moving with uniform velocity?(b) A particle moves over three quarters of a circle of radius r. What is the magnitude of its displacement?

9. A bus accelerates uniformly from 54 km/h to 72 km/h in 10 seconds Calculate

(i) acceleration in m/s<sup>2</sup>

(ii) distance covered by the bus in metres during this interval.

**10.** A car moves with a speed of  $30 \text{ km/h}^{-1}$  for half an hour,  $25 \text{ km/h}^{-1}$  for one hour and  $40 \text{ km/h}^{-1}$  for two hours. Calculate the average speed of the car.

- **11.** Derive the equation for velocity-time relation (v = u + at) by graphical method.
- 12. A car is travelling at 20 km/h, it speeds upto 60 km/h in 6 seconds. What is its acceleration?
- **13.** A car accelerates from  $6 \text{ ms}^{-1}$  16 ms $^{-1}$  in 10 sec. Calculate
  - (a) the acceleration and
  - (b) the distance covered by the car in that time.

**14.** A circular track has a circumference of 3140 m with AB as one of its diameter. A scooterist moves from A to B alone the circular path with a uniform speed of 10 m/s. Find

- (a) distance covered by the scooterist,
- (b) displacement of the scooterist, and
- (c) time taken by the scooterist in reaching from A to B.
- **15.** (a) Differentiate between uniform linear and uniform circular motion.
  - (b) Write any four examples of uniform circular motion.
  - (c) Is uniform circular motion accelerated motion?
- **16.** (a) Differentiate between speed and velocity.
  - (b) When is a body said to have uniform velocity?
  - (c) How can we describe the position of an object?
  - Illustrate with suitable example.
- **17.** The graph given alongside shows how the speed of a car changes with time.
  - (i) What is the initial speed of the car?
  - (ii) What is the maximum speed attained by the car?
  - (iii) Which part of the graph shows zero acceleration?
  - (iv) Which part of the graph shows varying retardation?
  - (v) Find the distance travelled in first 8 hours.



18. Study the velocity-time graph and calculate.



- (a) The acceleration from A to B
- (b) The acceleration from B to C
- (c) The distance covered in the region ABE
- (d) The average velocity from C to D
- (e) The distance covered in the region BCFE
- 19. The following table gives the data about motion of a car.

Time (h)	11.00	11.30	12.00	12.30	1.00
Distance (km)	0	30	30	65	100

Plot the graph.

- (i) Find the speed of the car between 12.00 hours and 12.30 hours.
- (ii) What is the average speed of the car?
- (iii) Is the car's motion an example of uniform motion? Justify.
- **20.** (a) Derive the equation of motion v = u + at, using graphical method.

(b) A train starting from rest attains a velocity of 72 km/h in 5 minutes. Assuming the acceleration is uniform, find

(i) the acceleration.

(ii) the distance travelled by the train for attaining this velocity.

#### SUBJECT: SOCIAL SCIENCE

Learn and practice of following chapters:

Geography - chapter 1 (India size and location)

Civics - Chapter 1 (what is democracy ? why democracy ?)

Economics - Chapter 1 (The story of village Palampur)

History - Chapter 1 (The French revolution)

#### Activities to be performed ( Do any three )

- \* Make a poster on -- "Democratic and Non -Democratic Government"
- \* Make a collage on Non -farming activities of your region .
- \* Make a chart Showing seven largest countries of the world.

(Write their area, language, capital also)

- \* A poster on French society showing Each Estate
- \* Write a speech on --"India's contacts with the world in ancient times"

#### **ASSIGNMENT QUESTIONS:**

Write the following questions on A4 size sheet :-

- 1. There are four requirements for the production of goods and services. What are they? Explain.
- 2. Why China cannot be called a democratic country ? Give reasons .
- 3. Describe the main features of democracy .

4. Explain how the geographical location has helped India in attaining an important place in the world market.

- 5. What was the role of the Jacobins in the French revolution?
- 6. What were the main causes of French revolution ?

7. Which non farm activities are practised in Palampur ? Write in brief.

8. The sun rises two hours earlier in Arunachal Pradesh as compared to Gujarat in the west but the watches show the same time . How does this happen ?

9 what are the different ways of increasing production on the same piece of land ? Use examples to explain .

10. How did Musharraf establish his rule in Pakistan?

#### Holiday Homework 2022

#### Class IX

#### Subject - Computer

Unit-3 Digital Documentation Unit-1 Communication Skills.

- > Activity- Activities performed according to your Roll No.
- Roll No. 1 to 5-

> Learn

- > Create a chart on the topic of "Importance of Self-Management".
- Write down five ways to save water. Transform it to a numbered list. Then convert it into a bulleted list.

#### • Roll No. 6 to 10-

- Create a chart on the topic of "Communication Cycle".
- Suppose you are travelling from India to USA, then from USA to UK and Back. List all the fares and Purchases you made in different currencies and enter the data in Excel.

#### Roll No. 11 to 15-

- Preview a 5-Page document and view each page by zooming them to 150%. Take the printout of the odd numbered pages i.e.- 1, 3, 5.
- Create a chart on the topic of "Components of MS Excel".
- Roll No. 16 to 20-
  - Take a two page document, set the first page orientation to Landscape and second page to Portrait. Change the margins to Narrow in the Portrait page.
  - Create a Chart on the topic of "Computer Components and its Peripheral Devices".

#### Roll No. 21 to Onwards-

- 1. Type a paragraph and first align the text left, then right and then centre. Then do a first –line special indent. Finally do a Drop Cap.
- 2. Create a Chart on the topic of "Environment Protection and Conservation".