VIDYA BHARATI SCHOOL

V E P WORKSHEET (2019-20)

Grade: IX

SUBJECT: SOCIAL SCIENCE

1. Who is the author of Two Treaties of Government?
2. What was the reason of empty treasury in France?
3. Define democracy.
4. What is the name of Chinese Parliament?
5. Mention two limitations of democratic government?
6. What do you know about the electoral system in Fiji?
7. Explain the significance of French Revolution in the History of France.
8. Give arguments against democracy.
9. Discuss the situation that led to subsistence crisis.
10. Why Pakistan government is not to be considered a democratic government?
11. How does democracy improve the quality of decision making?
12. Which values are associated with the term democracy?
13. Enumerate the problems responsible for revolution of France.
14. What were the salient features of Robespierre's government? .
15. On an outline of political map of India mark he following:

    a) northern most latitude b) State situated on the extreme west

SUBJECT: MATHEMATICS

Coordinate Geometry

1. In which quadrants, abscissa of a point is negative?
2. Name the quadrants in which both the coordinates are negative.
3. Name the quadrant in which (3,-2) lie.
4. What will be the coordinates of point lying on x-axis?
5. Find the perpendicular distance of the point p (7,5) from the y- axis.
6. If (x+2,4) =(5,y-2), then find the coordinates (x,y).
7. Plot the points p(1,0), Q(4,0) and S(1,3). Find the coordinates of the point R such that PQRS is a square.

8. On plotting the pointsO(0,0), A(3,0), B(3,4), C(0,4) and joining OA, AB,BC and CO which shape is obtained ?
9. Find the coordinates of two points on X-axis and two points on Y-axis which are at equal distance from the origin.
10. Plot A(4,5) on the graph paper. Also plot the reflections of this point on X-axis and Y-axis.
11. Plot the following points and check whether they are collinear or not. (2,3),(3,2),(1,-5)
12. Draw the quadrilateral with vertices (-4,4), (-6,0), (-4,-4) and (-2,0). Also name the type of quadrilateral and find its area.
13. Plot the points P(1,1),Q(4,2), R(4,8) and S(1,10). Join them in order and identify the figure PQRS, thus obtained. Write the mirror images of point p on X-axis and Y-axis.
14. Find the point which lies on the line y = -3x having abscissa 3.
15. Plot the points A(4,0) and B(0,4). Join A, B to the origin O. Find the area of triangle ABC.
16. Plot the points (x,y) given by the following table.

X	-1	2	5	6	-3	-5
Y	3	4	3	-2	-1	-2

17. The distance of a point from x-axis is 3 units and y-axis is 5 units. If the point lies in third quadrant, find the coordinates of the point.
18. What will be the abscissa of the point lying on y- axis.
19. What is the coordinate of the point of intersection of two axis.
20. Give any 2 solution for the equation 3x+y = 5
21. Give the equation of x- axis.

Linear equations in two variables

1. From a bus stand in Delhi. If we buy 2 tickets to Agra and 3 tickets to Mathura, the total cost is Rs440. Express this situation in linear equation.
2. Five years ago, Nuri was thrice as old a Sonu. Express this information in linear equation.
3. If we add 1 to the numerator and subtract 1 from the denominator, a fraction reduces to 1. From a linear equation for this information.
4. A linear equation in one variable given by 3x+7 =0 has how many solutions?
5. Write the four solutions of 2x+y=7.
6. If (5,k) is a solution of the linear equation 2x+y-6=0, then find the value of k.
7. Express the following statements in the form of a linear equation in two variables.
   1) The cost of a dozen egg is the same as the cost of one packet of bread.
   2) Riya got $\frac{3}{4}$ of the cake, Tanya got
   3) The cost of a key ring is Rs 5 less than the twice of the cost of a pen.
   4) The sum of the ordinate and abscissa of a point is 8.

8. One of the solutions of the equation 8x-ay+a2 = 0 is given by x=1 and y = 6. Find the value of a.
9. Draw the graph of the linear equation 3x+4y=6. At what points, the graph cuts the X and Y axes
10. Show that the points A(1,2), B(-1,16) and C(0,-7) lie on the graph of the linear equation y=9x-7.
11. Draw the graph of the linear equation y=mx+c for m=2 and c=1.
12. How many solution of the equation 2x+1=x-3 are there on the
    a) Number line?
    b) Cartesian plane?
13. Draw the graph of the following equations on the same graph sheet.
    x-y=0 , x+y=0 , x=2. Also find the area enclosed between these lines.
14. Draw the graph of 2x+y = 6 and 2x-y = -2. Shade the region bounded by these lines and x-axis. Also, find the area of the shaded region.

विषय : हिन्दी

प्र.1 नीचे लिखे अपठित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए –

संसार में कुछ भी असाध्य नहीं हैं। कुछ भी असंभव नहीं है। असंभव, असाध्य आदि शब्द कायरों के लिए हैं। नेपोलियन के लिए वे शब्द उसके कोष में नहीं थे। साहस के पुतले बापू ने विश्व को चकित कर दिया। क्या बापू शरीर से शक्तिशाली थे? नहीं! वे तो पतले से एक लंगोटी पहने लकड़ी के सहारे चलते थे। परंतु उनके विचार सशक्त थे, भावनाएँ शक्तिशाली थीं। उनके साहस को देखकर करोड़ों भारतीय उनके पीछे थे। ब्रिटिश साम्राज्य उनसे काँप गया। अहिंसा के सहारे बिना रक्तपात के उन्होंने भारत को स्वतंत्र कराया। यह विश्व को अद्वितीय उदहारण है। जब गाँधी जी ने अहिंसा का नारा लगाया तो लोग हँसते थे, कहते थे अहिंसा से कहीं ब्रिटिश साम्राज्य से टक्कर ली जा सकती है। परंतु वे डटे रहे, साहस नहीं छोड़ा। अंत में अहिंसा की ही विजय हुई। कहते हैं, अकेला चना क्या भाड़ फोड़ सकता है? हाँ, फोड़ सकता है, यदि उसमें साहस हो तो।

1. संसार में कुछ भी असंभव व असाध्य नहीं है। क्यों?
2. बापू की सबसे बड़ी विशेषता क्या थी?
3. गाँधी जी ब्रिटिश साम्राज्य से किस अस्त्र को लेकर लड़े?
4. 'अकेला चना क्या भाड़ फोड़ सकता है।' किस गुण के सहारे?
5. इस गद्यांश का उचित शीर्षक लिखिए।

प्र.2 कहानी में बैलों के माध्यम से कौन–कौन से नीति–विषयक मूल्य उभर कर आए हैं।

प्र.3 'लेकिन औरत जात पर सींग चलाना मना है, यह भूल जाते हैं।' हीरा के इस कथन के माध्यम से स्त्री के प्रति प्रेमचंद के दृष्टिकोण को स्पष्ट कीजिए।

प्र.4 हीरा–मोती झूरी से किस कारण नाराज थे?

प्र.5 गया कौन था? हीरा मोती गया का विरोध क्यों कर रहे थे?

प्र.6 हीरा–मोती की आँखों में विद्रोहमय स्नेह क्यों झलक रहा था?

प्र.7 हीरा–मोती को झूरी की पत्नि ने नमक–हराम क्यों कहा? बाद में उनका माथा क्यों चूमा?

प्र.8 लेखक को भिखमंगे का वेश बनाकर यात्रा क्यों करनी पड़ी?

प्र.9 'मैं अब पुस्तकों के भीतर था।' लेखक ने ऐसा क्यों कहा?

प्र.10 तिब्बत में किस धर्म के अनुयायी रहते हैं?

प्र.11 तिब्बत में कानून व्यवस्था और सुरक्षा की क्या स्थिति है?

प्र.12 कबीर हिंदू–मुस्लिम भेदभाव से ऊपर थे – सिद्ध कीजिए।

प्र.13 'विष' किस प्रकार 'अमृत' बन जाता है?

प्र.14 संसार को स्वान रूप क्यों कहा गया है?

प्र.15 कबीर ने 'मोट चून' किसे कहा है? वह 'मैदा' कैसे हो गया?

प्र.16 मनुष्य ईश्वर – प्राप्ति के लिए क्या – क्या करता है?

प्र.17 माझी किसके लिए प्रयुक्त हुआ है और क्यों?

प्र.18 कवयित्री की दृष्टि में परमात्मा–प्राप्ति के मार्ग में कौन–कौन सी बाधाएँ सामने आतीं हैं।

प्र.19 वाख के अनुसार मनुष्य समभावी कब बनेगा?

प्र.20 कवयित्री द्वारा मुक्ति के लिए कौन–कौन से प्रयास किए जा रहे हैं, जो व्यर्थ हो रहे हैं। ललद्यद ने पमात्मा–प्राप्ति का क्या उपाय बताया है?

प्र.21 उपसर्ग किसे कहते हैं? निम्नलिखित उपसर्गों से दो –दो शब्द बनाइए –

सु दूर सम् प्रति

प्र.22 निम्नलिखित शब्दों में से उपसर्ग व मूल शब्द अलग कीजिए –

व्याकरण, पर्यावरण, दुर्व्यवहार, अप्रत्याशित

प्र.23 प्रत्यय किसे कहते हैं? निम्नलिखित प्रत्ययों के संयोग से दो – दो शब्द बनाइए –

इयल दार एरा औना

प्र.24 निम्नलिखित समस्तपदों का विग्रह कीजिए और समास का नाम भी लिखिए –

चर्तुभुज राजा–प्रजा तुलसीकृत यथाशक्ति दशानन महात्मा

SUBJECT- SCIENCE

Chapter: Motion

1.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.

2. 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^{-2} for 2 minutes. Find

(a) the speed acquired.

(b) the distance travelled.

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

(i) acceleration in m/s^2

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

4. Derive the equation for velocity-time relation (v = u + at) by graphical method.

5. A car is travelling at 20 km/h, it speeds up to 60 km/h in 6 seconds. What is its acceleration?

6. A car accelerates from 6 ms^{-1} 16 ms^{-1} in 10 sec. Calculate

(a) the acceleration and

(b) the distance covered by the car in that time.

7. 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.

8. (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?

9. The graph given alongside shows how the speed of a car changes with time.

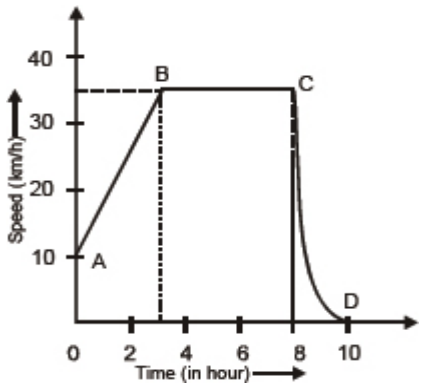
(i) What is the initial speed of the car?

(ii) What is the maximum speed attained by the car?

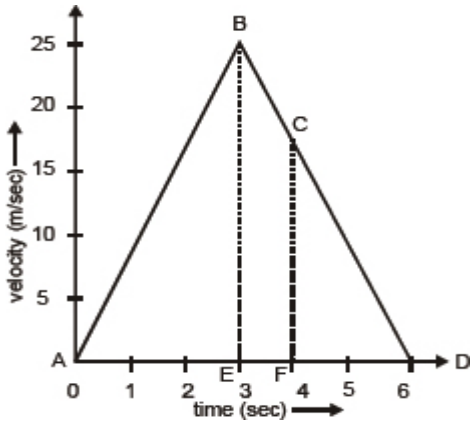
(iii) Which part of the graph shows zero acceleration?

(iv) Which part of the graph shows varying retardation?

(v) Find the distance travelled in first 8 hours.



10. 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

The Fundamental unit of life

Q1 Write the main function of leucoplast.

Q2 What is the function of SER in liver cells of vertebrates?

Q3 Why the RER appears rough?

Q4 Why viruses are not supposed to be living?

Q5 What is a nucleoid?

Q6 In which part of a plant chromo plasts are found?

Q7 Where are genes located?

Q8 What will happen if we keep a plant cell or animal cell in a

i) Hypotonic solution ii) Hypertonic solution iii) Isotonic solution.

Q9 Explain the importance of osmosis for living beings?

Q10Write the contribution of (a) Robert Hooke, (b) Leeuwenhoek (c) Robert Brown

Matter In Our Surrounding

1. Explain why temperature remains constant during interconversion of states of matter?
2. Give reason to explain why it takes longer time to dry wet clothes in humid weather?
3. Write any three differences between evaporation and boiling?
4. Why does ice at 0 C appear colder than water at same temperature?
5. Why mixture does not have a fixed melting point or a fixed boiling point? Give two reasons?
6. On suffering from fever which will lower down your body temperature, more ice or ice cold water?
7. Why is boiling called a bulk phenomenon?

Subject: English

Q 1. Write the following answers in 120 -150 words:

1. Today you visited your ancestral village and watched the farmers harvesting a crop of wheat .Make a diary entry describing your experience at the village.

2. You happened to visit the science city, Gandhinagar as a part of educational excursion of your school .Describe your experience in the form of a diary entry.

Q 2.Write these stories in 150-200 words:

1. Anuj had gone on a holiday for one month and when he returns, he turns the key in the lock and opens the door .To his horror, he finds **……**

2. It was festive times .There was a lot of excitement in the air .The sound of crackers could be heard all around .Shashi was enjoying it every bit .But all of a sudden **…….**

Q 3.Edit the passage underlining the mistake present in every line by writing the correct word in the blank space:

My day begins on five O'clock in the morning	a) _____
It has been so since the last forty years	b) _____
except for the two years of which I was	c) _____
very ill. I wake up at the sound of an	d) _____
alarm clock bought at 1952.	e) _____
From then until today, it has never	f) _____
let me down. My routine, however turns topsy-turvy	

in holidays when I cannot sleep for ten O'clock. I have g) _____
maintained a fairly regular routine over my working years. h) _____
When I retire on two years' time, I hope I will be i) _____
able to continue this practice.

Q 4.The following passage is incomplete. One word has been omitted in every line against which there is a blank. Indicate the place where the word has to be inserted with a / and write the word in the space provided.

Parmesh and his friends planning a trip a) _____
during the summer vacations. While all of them b) _____
suggest which place to visit. c) _____
It only draw of lots which could finally decide the matter. d) _____
They decided on Ooty as it neither too far away nor too crowded. e) _____
The date of departure and the duration of their stay still to be decided. f) _____
The announcement of their final exam date sheet still two weeks away . g) _____
Until then, each of them resolved h) _____
collect information about hill station. i) _____

Q 5. Answer the following questions of the extracts given below:

When the humid shadows hover
Overall the starry spheres
And the melancholy darkness
Gently weeps in rainy tears,
What a bliss to press the pillow
Of a cottage-chamber bed
And like listening to the patter
Of the soft rain overhead!

(a) What does the poet imply by “humid shadow?
(b) What does the phrase “starry spheres” refer to?
(c) What does the poet consider to be a ‘bliss’ in the rainy season?
(d) Which poetic device has been used in “lie listening”?
(e) Which poetic device has been used in the third and fourth lines?

Q.6. “Oh”, said the little girl, “my head’s on your heart. I can hear it going. What a big heart you’ve got, Father dear.”

1. Who is the little girl in the passage?
2. Why does the girl say that say that her father had a big heart?
3. How did the nightmare change the father daughter relationship?
4. Pick out a word from the passage which means the same as ‘huge’.

Q 7. Answer the following questions in 30 to 40 words each:

1. Why did Tommy call the real book ‘a waste’?
2. How is Evelyn ‘a shining inspiration’ for deaf children?
3. Where was Shehnai played traditionally? How did Bismillah Khan change it?

4. Why did the little girl think ‘there were different sorts of fathers’?
5. What poetic device has the poet used to symbolize choices and opportunities in life? How?
6. What is the nature of the wind? What does it symbolize? How?
7. How did the child’s separation from his parents affect him?
8. Why did Toto break the dish? How did he celebrate it?

Q 8.Answer the following questions in 120 to 150 words:

1. Why did Margie hate school? Why did she think the old school must have been fun?
2. Even though Evelyn couldn’t hear she mastered the notes of music and became a great musician. Could she do it because ‘Music touches the soul and is Divine’?
3. Why did Kezia find her father as a frightening giant?
4. Why does the poet experience complete bliss in his cottage?
5. How does the story ’The Lost Child’ reflect that a child lives only in the present?
6. Why was Toto transferred to—the closet, the big cage, the canvas bag, the stable?