



B.M. BHARTI MODEL SCHOOL

(Senior Secondary School)
(Recognized and Affiliated to CBSE)
Majri, Delhi – 110081

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SUMMER HOLIDAY'S HOMEWORK SESSION 2024-25 CLASS-X



Whenever we hear the word VACATION, lots of new hopes, endeavours and resolutions suddenly hit our mind and soul.

Here is the most awaited time of the year 'The Summer Vacation'.

Give flight to your wings and start with a happy and healthy daily routine.

Here is the list of some very effective and fruitful activities one must practice. Like:



Healthy Eating



Running and dancing



Sowing seeds

Most Important

Chant the Mantras of civilization

- THANK YOU
- SORRY
- EXCUSE ME
- MAY I HELP YOU

CLASS-X

SOCIAL SCIENCE	<ul style="list-style-type: none"> ➤ Prepare yourself for PT-1 Examination. ➤ Complete PT-1 chapters in your notebook and lab manual. ➤ Project : prepare an Art integration project on Andaman and Nicobar Islands on the topic given below according to your roll number. <ul style="list-style-type: none"> • Historical Background(1-5) • Elections 2024(6-10) • Natural Resources(11-15) • Sustainable Development Activities(16-20) • Ethnic Composition(21-25) • Culture and Traditions(26-30) • Tribal Communities(31-35) • Geographical Structure(36-40) ➤ Content of the project are as follows Page 1-Front page contained Name Class and section and Topic Page 2 Acknowledgement Page 3-index Page 4-Introduction of the Island Page 5- Introduction of your topics Page 6: Objective of the project Page 7 to 12 -Details of your topic Page 13-Case study/Examples Page 14- Conclusion/ Learning from Project. Page 15-Bibliography ➤ Activity: Make a Power point presentation on the ‘types of power sharing with reference to the political structure of India with the help of examples or case studies.’ Instructions: <ul style="list-style-type: none"> • The PPT must contain at least 15 slides • First three slides contain: Front page , Acknowledgement and Index respectively. ➤ Do the given worksheet in your notebook.
IT	<p>(a)Observe a shopkeeper such as groceries owner / chemist / fruit seller etc. in your neighborhood for a week and write in 50 words how he/she shows courtesy towards his/her customers on A4 size sheet. (Roll No. 1 - 15).</p> <p>(b)With the help of chart paper, glue stick and newspaper clippings, make a collage of different type of facial expressions.</p> <p>(c)For a week observe any one person of your choice on his or her feedback giving style prepare a chart in listing dos & don'ts for giving feedback effectively on A4 size sheet.(Roll No 16 onwards).</p>
MATHS	<ul style="list-style-type: none"> ➤ Make a project Andaman and Nicobar Islands on following topic:- (using bar graph, Histogram, pie chart) ☐ Population <ul style="list-style-type: none"> • Population by religion • Literacy Rate • Population by rural/urban • Language • Gender Rate • Climate <p>Using A4 size sheets (10-12 pages)</p>

	➤ Worksheet
HINDI	<p>सामान्य निर्देश:- सभी प्रश्नों को ध्यानपूर्वक पढ़ें। सभी प्रश्नों को अपनी हिंदी की कक्षा-पुस्तिका में करें।</p> <p>प्रश्न-1. सूरदास के पदों की व्याख्या कीजिए। प्रश्न-2. 'माता का अँचल' पाठ में जो दुनिया रची गई है, वो आपकी दुनिया से किस प्रकार भिन्न है? विस्तारपूर्वक उत्तर दीजिए। प्रश्न-3. 'लखनवी अंदाज़' पाठ से पाँच संयुक्त वाक्य और पाँच मिश्र वाक्य छाँटकर लिखिए। प्रश्न-4. निम्नलिखित में से किसी एक विषय पर स्पष्ट शब्दों में विज्ञापन लिखिए:-</p> <ul style="list-style-type: none"> • ज्ञानदीप पुस्तक भंडार • कलर विज़न टेलीविजन <p>प्रश्न-5. संकेत बिंदुओं के आधार पर 'भ्रष्टाचार की समस्या' विषय पर 120 शब्दों में अनुच्छेद लिखिए। प्रश्न-6. कक्षा में करवाया गया संपूर्ण पाठ्यक्रम याद कीजिए। सामान्य निर्देश:-</p>
ENGLISH	Do given Worksheet in holidays homework notebook.
SCIENCE	<p>Physics : A – Prepare the tabular display of all the cases of image formation by concave and convex mirror along with proper neat ray diagrams of the same.</p> <p>B. Prepare the tabular display of all the cases of image formation by convex and concave lens along with neat and clear ray diagram of all the cases.</p> <p>C. Make a systematic chart of all the important formulae and sign convention for mirrors and lens.</p> <p>D. Make a list of at least ten uses of concave and convex mirrors in our daily life around us.</p> <p>E. Make a small investigation of any one important aspect of light in your life near or around you and record your observations in copy. Your investigation will be discussed in class.</p> <p>F. Read chapter Light and prepare 20 Questions which are frequently asked in board examination.</p> <p>Chemistry: A – 1. Prepare a detailed report on Types of Chemical reactions .(Use A4 size sheet) 2. Using a pH strip categories the naturally occurring substances as acids, bases & neutral compounds (water, coffee, onion peel, milk, mustard oil, lemon juice, carbonated drink etc) OR Prepare a detailed report on natural & man made acids.</p> <p>B - Read chapters 1st & 2nd and prepare 20 Questions from each chapter of your own and answer those questions.</p> <p>Biology: A - Make an investigatory project report on “Dental Caries” emphasizing the following points (i) Dental caries and its cause, (ii) Symptoms of the disorder, (iii) Precautionary measures, (iv) Treatment of the disorder (v) A case study Instructions:</p> <p>(i) Write the project report on A4 size plain paper in your own hand writing, (ii) Paste concerned colorful pictures, cuttings from magazines and newspapers, data etc.</p> <p>B - Read chapter Life. Processes and prepare 20 Questions from each Life process of your own and answer those questions</p> <p>➤ Do given worksheet in holidays homework notebook.</p>
SANSKRIT	➤ Do worksheet in holiday's homework notebook.



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SUMMER HOLIDAYS HOMEWORK
SESSION 2024-25
CLASS-X
MATHEMATICS
WORKSHEET-1

1. Explain why $7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 + 5$ is composite number.
2. Check whether 15^n can end with the digit 0 for any natural number n.
3. Find the LCM and HCF of 404 and 96 and verify that $LCM \times HCF =$ Product of the integers.
4. The HCF of two numbers is 145 and their LCM is 2175. If one number is 725, find the other.
5. What is the smallest number that, when divided by 35, 56 and 91 leaves remainder of 7 in each case?
6. Find the greatest number of 6 digits exactly divisible by 24, 15 and 36
7. Prove that $\sqrt{7}$ is irrational.
8. Prove that $4 - 5\sqrt{2}$ is irrational.
9. Prove that $2 + \sqrt{3}$ is an irrational.
10. On a morning walk, three persons' steps out together and their steps measure 30cm, 36cm and 40cm respectively. What is the minimum distance each should walk so that each can cover the same distance in complete steps?

WORKSHEET-2

1. Find the zeros of each of the following quadratic polynomials and verify the relationship between the zeros and their Coefficients:
 - i. $n^2 - 2n - 8$
 - ii. $4x^2 - 4x + 1$
 - iii. $x^2 - 5x - 6$
 - iv. $t^2 - 3$
 - v. $5y^2 + 35y$

- vi. $x^2+12+7x$
- vii. $6n^2-11n-10$
- viii. $6x^2-x-2$

2. Find a quadratic polynomial whose sum and product respectively of the zeros are given.

- i. $-2\sqrt{3}, -9$
- ii. $-3/2\sqrt{5}, -1/2$
- iii. $5/6, 6/5$
- iv. $\sqrt{5}, 1/2$
- v. $1/3, -1/3$
- vi. $0, -\sqrt{3}$
- vii. $5, 1/7$
- viii. $-1/2, 5/3$

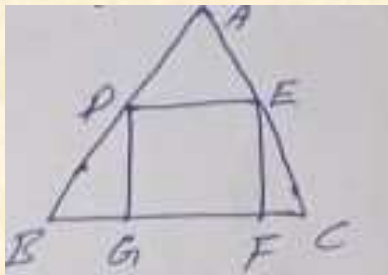
WORKSHEET-3

1. Draw the graphs of the equations $5x-y=5$ and $3x-y=3$. Determine the coordinates of the vertices of the triangle formed by these lines and y-axis. Calculate the area of the triangle so formed.
2. On Comparing the ratio $a_1/a_2, b_1/b_2$ and c_1/c_2 , and without drawing them, find out whether the lines representing the following pairs of linear equations intersect at a point, are Parallel or coincide.
 - a. $5x - 4y = 8$
 $7x - 6y = -9$
 - b. $9x+3y+12=0$
 $18x+ 6y + 2 = 0$
 - c. $6x - 3y+ 10 = 0$
 $2x- y = -9$
3. Give the linear equation $5x - y - 7 = 0$, write another linear equation in two variable such that the geometrical representation of the Pair so formed is:
 - a. intersecting lines
 - b. parallel lines
 - c. coincident lines
4. The sum of digits of a two digit number is 15. The number obtained by reversing the order of digits of the given number exceeds the given number by 9. Find the given number.
5. The sum of the numerator and denominator of a fraction is 12. If the denominator is increased by 3, the fraction becomes $1/2$. Find the fraction.

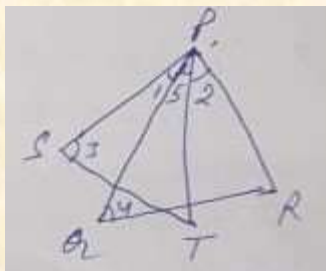
- When 3 is added to the denominator and 2 is subtracted from the numerator a fraction becomes $\frac{1}{4}$, And, when 6 is added to numerator and the denominator is multiplied by 3, it becomes $\frac{2}{3}$. Find the fraction.
- Six years hence a man's age will be three times the age of his son and three years ago he was nine times as old as his son. Find their present ages.
- Two years ago, a father was five times as old as his son. Two years later, his age will be 8 more than three times the age of the son. Find the present ages of father and son.
- The larger of two supplementary angles exceeds the smaller by 21 degrees. Find them.
- Yash scored 40 marks in a test, getting 3marks for each right answer and losing 1 mark for each wrong answer. Had 4 marks been awarded for each correct answer and 2 marks been deducted for each incorrect answer, then Yash would have scored 50 marks. How many questions were there in the test?

WORKSHEET-4

- $\triangle ABC$ is such that $AB=3\text{cm}$, $BC = 2\text{cm}$ and $CA = 2.5\text{cm}$. If $\triangle DEF \sim \triangle ABC$ and $FE=4\text{cm}$, then find the perimeter of $\triangle DEF$.
- In the given figure, $DEFG$ is a square and $\angle EAC=90^\circ$, show that $FG^2 = BG \times FC$.

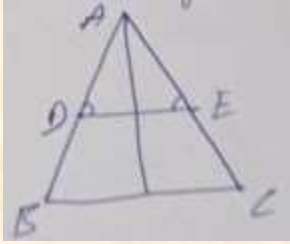


- Two right triangles ABC and DBC are drawn on the same hypotenuse BC and on the same side of BC . IS AC and BD intersect at P . Prove that $AP \times PC = FP \times PD$.
- In the given figure, $\angle 1 = \angle 2$ and $\angle 3 = \angle 4$. Show that $PT \times QR = PR \times ST$.



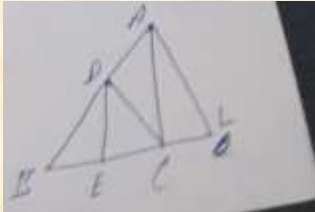
- In $\triangle ABC$, D and E are the points on the sides AB and AC respectively such that $DE \parallel BC$. If $AD = 6x - 7$, $DB = 4x - 3$, $AE = 3x - 3$ and $EC = 2x - 1$ then find the value of x .

6. In the given figure, $\angle D = \angle E$ and $(AD)/(DE) = (AE)/(EC)$ Prove that $\triangle BAC$ is an isosceles triangle.



7. In $\triangle ABC$, $\angle BAC = 90^\circ$ and $AD \perp BC$. Prove that $AD^2 = BD \times DC$.

8. In the given figure, $CD \parallel AL$ and $DE \parallel AC$. Find the length of CL if $BE = 4\text{cm}$ and $EC = 2\text{cm}$.



**SOCIAL SCIENCE
WORKSHEET**

HISTORY

1. What was the main aim of the French revolutionaries? How did they spread the Idea of nationalism in Europe?
2. Explain any three beliefs of the conservatism that emerged after 1815.
3. How had the female figures become an allegory of the nation during nineteenth century in Europe? Analyze.
4. Describe any three steps taken by the French revolutionaries to create a sense of collective identity amongst the French people.
5. The decade of 1830 has brought great economic hardship in Europe". Support the statement with arguments.

Geography

1. Resources are a function of human activities." Justify this statement.
2. Distinguish between the following:
 - a. Potential and Developed Resources
 - b. Stock and Reserves.
3. List the problems which resulted due to indiscriminate use of resources by man.
4. Write four institutional efforts made at global level for 'resource conservation'.
5. Explain the characteristics of different types of soil in detail. How can we conserve soil as a resource?

Political Science

1. Power Sharing is the very spirit of democracy". Justify the statement.
2. Why do we find the Belgian model very complicated? How has it helped to prevent conflict and division of the country on linguistic lines?
3. Explain any three consequences of the majoritarian policies adopted by the Sri Lankan government.
4. What do you understand by the term 'Ethnic Composition' give suitable example.
5. What is meant by the system of 'checks and balances'?

Economics

1. Why is the issue of sustainability significant for development of a nation?
2. Conflicting goals can also be developmental goals'. Elaborate with examples
3. Money cannot buy all the goods and services that one needs to live well" Do you agree with this statement? Justify your answer with any three suitable arguments
4. On what basis the rich and low income countries have been categorized in the world? What are the limitations of this approach? According to the World Development Report, India comes in which category?

Give reason for the same

5. What is per capita income? Mention any two limitations of per capita income as an indicator of development.

Section A: Reading Skills

(20 marks)

10

Q. 1. Read the following text.

1. We sit in the last row, bumped about but free of stares. The bus rolls out of the dull crossroads of the city, and we are soon in open countryside with fields of sunflowers as far as the eye can see, their heads all facing us. Where there is no water, the land reverts to desert. While still on level ground, we see in the distance the tall range of the Mount Bogda, abrupt like a shining prism laid horizontally on the desert surface. It is over 5,000 metres high, and the peak is under permanent snow, in powerful contrast to the flat desert all around. Heaven Lake lies part of the way up this range, about 2,000 metres above sea level, at the foot of one of the highest snow-peaks.
2. As the bus climbs, the sky, brilliant before, grows overcast. I have brought nothing warm to wear. It is all down at the hotel in Urumqi. Rain begins to fall. The man behind me is eating overpoweringly smelly goat's cheese. The bus window leaks inhospitably, but reveals a beautiful view. We have passed quickly from desert through arable land to pasture and the ground is now green with grass, the slopes dark with pine. A few cattle drink at a clear stream flowing past moss-covered stones; it is a constable landscape. The stream changes into a white torrent, and as we climb higher, I wish more and more that I had brought with me something warmer than just the pair of shorts that have served me so well in the desert. The stream (which, we are told, rises in Heaven Lake) disappears, and we continue our slow ascent. About noon, we arrive at Heaven Lake, and look for a place to stay at the foot, which is the resort area. We get a room in a small cottage, and I am happy to note that there are thick quilts on the beds.
3. Standing outside the cottage, we survey our surroundings. Heaven Lake is long, sardine-shaped and fed by snow melt from a stream at its head. The lake is intense blue, surrounded on all sides by green mountain walls, dotted with distant steep. At the head of the lake, beyond the delta of the inflowing stream, is a massive snow-capped peak which dominates the vista; it is part of a series of peaks that culminate, a little out of view, in Mount Bogda itself.
4. For those who live in the resort, there is a small hall by the shore. We eat here sometimes, and sometimes buy food from the vendors outside, who sell kabab and naan until the last buses leave. The kababs, cooked on skewers over charcoal braziers, are particularly good, highly spiced and well done. Horse's milk is available too from the local Kazakh herdsman, but I decline this. I am so affected by the cold that Mr. Cao, the relaxed young man who runs the mess, lends me a spare pair of trousers, several sizes too large but more than comfortable.

Answer the following questions, based on the passage above.

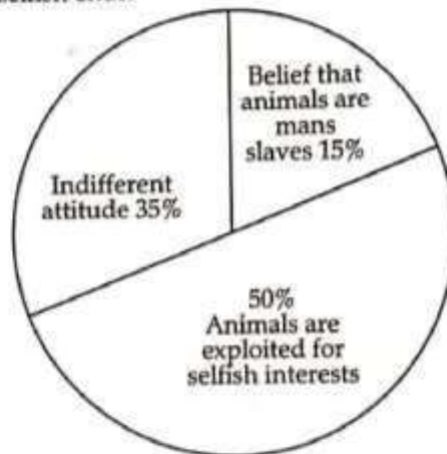
- (i) One benefit of sitting in the last row of the bus is that : 1
 - (A) the narrator enjoys bumps.
 - (B) no one stares at him.
 - (C) he can see the sunflowers.
 - (D) he avoids the dullness of the city.
- (ii) What is the landscape like as the bus ascends to Heaven Lake? Answer in about 40 words. 2
- (iii) Complete the sentence appropriately: 1

The lake at the head of Heaven Lake is fed by _____.

- (iv) Find word from the passage which means the same as 'sellers'. (Para 4) 1
- (v) Complete the sentence appropriately: 1
The bus window leaks inhospitably, but reveals a beautiful view of the _____.
- (vi) What is the landscape like as the bus climbs towards Heaven Lake? Answer in about 40 words. 2
- (vii) Pick the incorrect option. 1
- (A) Heaven Lake lies about 2,000 metres above sea level, at the foot of one of the highest snow peaks.
(B) The narrator wished warmer clothes than he had brought with him as the bus was climbing up.
(C) The lake is intense blue, surrounded on all sides by walls.
(D) The kababs, cooked on skewers over charcoal braziers, are particularly good, highly spiced and well done.
- (viii) State the reason why on reaching the destination the narrator felt relieved. 1

Q. 2. Read the following text. 10

- Man suffers from a distorted complex. He always considers animals as inferior beings only fit for exploitation. Man has been using domestic and wild animals for his selfish ends. Many animal lovers joined together to form the 'Society for Prevention of Cruelty to Animals'.
- The society has been working for the well-being and welfare of animals for many years. Its main aim is to change the attitude and thinking of people towards animals. It is quite sad that animals continue to be ill-treated, tortured and killed according to the whims of the people. About 15% of the people entertain the belief that animals are man's slaves. They use, misuse and torture them accordingly. About 50% of the people exploit animals for selfish ends.



- Horses and oxen are used for transport, carrying loads and in agricultural activities. Dogs, cats and many birds are domesticated for fun, entertainment and convenience. Wild animals like elephants, tigers, lions and deer are victims of poaching and killing. Animals are forced to do acrobatic feats in circus shows. Unfortunately, about 35% of people don't think about the animals at all. They are totally indifferent to them.
- The Government and the animal lovers must work together to bring a change in the attitude of the people. Animals should not be killed and poached for fun, furs or financial gains. They should be treated with kindness, care and sympathy. Cruelty towards animals must be legally punished.

Answer the following questions, based on the passage above.

- (i) Complete the sentence appropriately. 1
The Society for Prevention of Cruelty to Animals aims to _____.
- (ii) Fill in the blanks with an appropriate response. 1
Animals such as horses and oxen are used for _____.
- (iii) Justify the following statement: "Animals should be treated with kindness, care, and sympathy." 2
- (iv) What is the role of the government in addressing animal cruelty according to the passage? 1
- (v) Infer from the passage: How might the formation of the "Society for Prevention of Cruelty to Animals" impact the treatment of animals? 1
- (vi) In the line "... fit for exploitation", the word 'exploitation' does not refer to: 1
- (A) abuse (B) ill-treatment (C) oppression (D) utilisation

- (vii) What is the paradoxical behaviour observed in some people regarding animals, as mentioned in the passage? 2
- (viii) For what activities do people use horses and oxen? 1
- (A) Carrying loads (B) Transport
(C) Agricultural activities (D) All of these

Section-B : Grammar & Writing Skills

(20 marks)

GRAMMAR

(10)

Q. 3. Complete ANY TEN of twelve of the following tasks, as directed.

(1×10)

- (i) Fill in the blank by using the correct form of the word in the bracket.
I hope they..... this road by the time we come back next summer. (repair)
- (ii) Identify the error and supply the correction, for the following sentence:
Every people went to welcome the Indian Cricket team.

Error	Correction

- (iii) Transform the following direct speech into reported speech:
The spokesman said: "I can't understand why billiards has been prohibited."
- (iv) Which option highlights the correct change of the speech of the following sentence?
The spectators applauded the young athlete saying that he had broken all previous records.
(A) The spectators exclaimed to the young athlete, "You have broken all records."
(B) The spectators said to the young athlete, "You broke all records."
(C) The spectators said to the young athlete, "You had broken all records."
(D) The spectators said to the young athlete, "Bravo! You have broken all records."
- (v) Fill the blank by choosing the correct option
Is there ___ food left in the fridge? (many/any)
- (vi) Identify the error and supply the correction, for the following sentence:
Sita could not understands what the teacher was saying.

Error	Correction

- (vii) Select the option that identifies the error and supplies the correction for the following line:
Louis Braille was three years old where he lost his eyesight as a result of an accident.

Error	Correction
(A) was	is
(B) his	her
(C) where	when
(D) an	a

- (viii) Select the correct option to complete the narration of the dialogue between Rakesh and Sunita.

Rakesh: Did you complete the assignment?

Sunita: Yes, I did. I finished it yesterday.

Rakesh asked Sunita if/whether she had completed the assignment. Then Sunita replied in the affirmative and also added that _____.

- (A) she finished it yesterday (B) she had finished it previous day
(C) she has finished it yesterday (D) she had finish it yesterday

- (ix) Read the conversation between a mother and her daughter. Complete the sentence by reporting daughter's reply correctly.

Mother: Why are you looking so worried?

Daughter: My exams are approaching.

Mother asked her daughter why she was looking very worried. The daughter replied that _____.

- (x) Fill in the blanks by choosing the correct option to complete the statement.

In a few years we all in the houses heated by solar energy.

Section A: Reading Skills

(20 marks)

Q. 1. Read the following text.

10

1. Many of us believe that 'small' means 'insignificant'. We believe that small actions and choices do not have much impact on our lives. We think that it is only the big things, the big actions and the big decisions that really count. But when you look at the lives of all great people, you will see that they built their character through small decisions, small choices and small actions that they performed every day. They transformed their lives through step-by-step or day-by-day approach. They nurtured and nourished their good habits and chipped away their bad habits, one by one. It was their small day-to-day decisions that added up to make tremendous difference in the long run. Indeed, in matters of personal growth and character building, there is no such thing as an overnight success.
2. Growth always occurs through a sequential series of stages. There is an organic process to growth. When we look at children growing up, we can see this process at work: the child first learns to crawl, then to stand and walk and then finally to run. The same is true in the natural world. The soil must first be tilled and then the seed must be sown. Next, it must be nurtured with enough water and sunlight and only then will it grow into trees laden with ripe fruits.
3. Gandhi understood this organic process and used this universal law of nature to his benefit. Gandhi Grew in Small Ways, in his day-to-day affairs. He did not wake up one day and find himself to be the 'Mahatma'. In fact, there was nothing much in his early life that showed signs of greatness. But from his mid-twenties onwards, he deliberately and consistently attempted to change himself, reformed himself and grew in some small ways every day. Day-by-day, hour-by-hour, he risked failure, experimented and learnt from mistakes. In small as well as large situations, he took up the responsibility rather than avoiding it.
4. This is a common factor in the lives of all great people: they exercise their freedoms and choices in small ways that make great impact on their lives and their environment. Each of their small decisions and actions, add up to have a profound impact in the long run. By understanding this principle, we can move forward, with confidence, in the direction of our dreams. Often when our 'ideal goal' looks too far from us, we become easily discouraged, disheartened and pessimistic. However, when we choose to grow in small ways, by taking small steps one at a time, our achievement becomes easy.

Answer the following questions, based on the passage above.

- (i) What does the writer mean by saying 'chipped away at their bad habits'?

(A) Steadily gave up bad habits.	(B) Slowly produced bad habits.
(C) Gradually criticised bad habits.	(D) Did not like bad habits.
- (ii) How did Gandhi grow and become the Mahatma? Answer in about 40 words. 2
- (iii) Complete the sentence appropriately. 1
Gandhi understood the organic process of growth and used it to his benefit by _____.
- (iv) Which word/phrase is similar in meaning to 'purposely'. (Para 3) 1

(v) Complete the sentence appropriately.

Growth occurs through a sequential series of stages, just like how a child first learns to crawl, then _____.

(vi) What is the common factor in the lives of great people according to the passage? Answer in about 40 words.

(vii) Which of the following statements is true in the context of the third paragraph?

- (A) Gandhi became great overnight.
- (B) Gandhi showed signs of greatness in childhood itself.
- (C) Every day Gandhi made efforts to change himself in some small ways.
- (D) Gandhi never made mistakes.

(viii) According to the above passage what is done by great people to transform their lives?

Q. 2. Read the following text.



1. Though the Covid-19 situation seems to be under control and the overall positivity rate has remained between 0.08% and 0.12% in the past one week, New Delhi has reported the highest positivity rate of 0.29% among all 11 districts. While North West and South West have reported a positivity rate of 0.21% and 0.19%, respectively, all other districts have comparatively lower numbers. North East district has nil cases and a zero positivity rate. While there is no clear indication of Covid-19 cases rising again in the capital, the numbers are rising in some parts of the country. Delhi also needs to be on alert because the recent highest positivity rate of 0.12% (85 new cases) over the past 24 days was reported on 1st August, 2021.
2. According to the district-wise performance report, on July 31, Central district reported six cases with a positivity rate of 0.09%, East had five cases and 0.08% positivity rate, New Delhi 19 cases and 0.29%, North seven cases and 0.13%, North West 12 cases and 0.21%, Shahdara two cases and 0.03%, South four cases and 0.06%, South East seven cases and 0.11%, South West 15 cases and 0.19% and West nine cases and 0.12% positivity rate. All districts are conducting 4,000 to 6,000 tests every day, a majority of them being RT-PCR.
3. A health department official said the positivity rate was far lower than the target of 5% that the districts were supposed to maintain. "It's difficult to pinpoint the reasons behind some districts reporting a higher positivity rate than others. Only experts can highlight the causes after a detailed analysis," added the official.
4. Officials from the districts reporting higher positivity rates said they were conducting a maximum number of tests in places like containment zones, slums, middle-class areas and villages. A government hospital doctor involved in Covid-19 management said, "If more tests are conducted in containment zones and adjoining clusters and among the contacts of Covid-positive people, then the positivity rate is likely to be slightly higher. More tests in super-spreader areas also pushes up the positivity rate. It has been observed that more tests conducted in slums and under privileged areas throw up a lower positivity rate. That is why it is suggested to use mixed locations for carrying out the tests."

Answer the following questions, based on the passage above.

- (i) Complete the sentence appropriately.
According to the district-wise performance report, on July 31, Central district reported _____ cases with a positivity rate of _____%.
- (ii) Fill in the blanks with an appropriate response.
It has been observed that more tests conducted in _____ and underprivileged areas throw up a _____ positivity rate.
- (iii) What evidence from the passage justifies the statement that conducting more tests in containment zones and adjoining clusters, as well as among the contacts of Covid-positive people, can lead to a slightly higher positivity rate?
- (iv) According to the above passage, officials were conducting a maximum number of tests in places like containment zones, slums, middle-class areas and villages. What does it reveal?

- (v) Based on the information provided in the passage, what can be inferred about the suggested strategy of conducting tests in mixed locations for Covid-19? 1
- (vi) Based on the graphical chart in the passage, choose the option that correctly depicts the number of positive cases in North West Delhi and West Delhi. 1



North West Delhi
 West Delhi

North West Delhi
 West Delhi

North West Delhi
 West Delhi

North West Delhi
 West Delhi

(A) Option (1)

(B) Option (2)

(C) Option (3)

(D) Option (4)

- (vii) Why is it important for Delhi to remain on alert despite no clear indication of rising Covid-19 cases in the capital? 2
- (viii) In the line "If more tests are conducted in containment zones and adjoining clusters ..." Here the 'adjoining clusters' refers to: 1
 - (A) areas which have Covid-19 positive cases.
 - (B) the villages nearby a village which has Covid-19 positive case(s).
 - (C) the areas nearby an area which has Covid-19 positive case(s).
 - (D) the buildings in which there is a person with Covid-19 positive.

Section-B : Grammar & Writing Skills

(20 marks)

GRAMMAR

(10)

(1×10)

Q. 3. Complete ANY TEN of twelve of the following tasks, as directed.

- (i) Fill in the blank by using the correct form of the word in the bracket.
When I saw him he..... a portrait. (paint)
- (ii) Identify the error and supply the correction, for the following sentence:
Laugh is the best medicine.

Error	Correction

- (iii) Transform the following direct speech into reported speech:
A farmer said: "If the situation goes on like this, we will lose the consumers' confidence for ever".
- (iv) Which option highlights the correct change of the speech of the following sentence?
He said to Raina, "I cannot marry you now but I shall surely do so next year."
 - (A) He told her that he could not marry Raina then but would surely marry her next year.
 - (B) He told Raina that he could not marry her then but he would surely do so the following year.
 - (C) He told Raina that he would not marry her then but would surely do so the next year.
 - (D) He told Raina that he cannot marry her now but would surely do so the following year.

- (v) Fill the blank by choosing the correct option
Do you know ___ scarf this is? (whose/their)
- (vi) Identify the error and supply the correction, for the following sentence:
The flock of sheeps blocked the road.

Error	Correction

- (vii) Select the option that identifies the error and supplies the correction for the following line:
A little political thinkers think that liberty and equality can't go together.

- | | |
|--------------|------------|
| Error | Correction |
| (A) can't | couldn't |
| (B) think | thinks |
| (C) A little | Some |
| (D) go | goes |

(viii) Select the correct option to complete the narration of the dialogue between Tom and Tina.

Tom: Are you familiar with coding?

Tina: Yes, I am. I learned it during my college years.

Tom asked Tina if/whether she was familiar with coding. Then Tina replied in the affirmative and also added that _____.

(A) she has learned it during her college years

(B) she learned it during her college years

(C) she had learned it during her college years

(D) she had learn it during her college years

(ix) Read the conversation between a father and his son. Complete the sentence by reporting son's reply correctly.

Father: What's the matter? You seem upset.

Son: I didn't perform well in the soccer match.

Father asked his son what the matter was. The son replied that _____.

(x) Fill in the blanks by choosing the correct option to complete the statement.

He us to go out in the boat yesterday.

(A) does not allow

(B) allows

(C) did not allow

(D) has not allowed

(xi) Select the correct option to fill in the blank for the given line to complete the statement.

The thief will have run away before the police.....

(A) comes

(B) had come

(C) came

(D) None of these

(xii) Identify the error and supply the correction, for the following sentence:

The children was playing in the Giant's garden.

Error	Correction

Section A: Reading Skills

(20 marks)

10

Q. 1. Read the following text.

1. All of Earth's oceans share one thing in common "plastic pollution". When people litter, or when the trash is not properly disposed off, things like plastic bags, bottles, straws, foam and beverage cups get carried to the sea by winds and waterways. About 80 per cent of ocean plastic originates on land. The rest comes from marine industries such as shipping and fishing.
2. In 2015, engineer Jenna Jambeck at the University of Georgia and other researchers calculated that at least 8 million tons of plastic trash are swept into the ocean from coasts every year. That's the equivalent of a full garbage truck of plastic being dumped into the sea every minute. If current trends in plastic production and disposal continue, that figure will double by 2025. A report published by the World Economic Forum last year predicts that by 2050, ocean plastic will outweigh all the fish in the sea.
3. In today's world, plastic is everywhere. It's found in shoes, clothing, household items, electronics and more. There are different types of plastics, but one thing they all have in common is that they're made of polymers-large molecules made up of repeating units. Their chemical structure gives them a lot of advantages: they're cheap and easy to manufacture, lightweight, water-resistant, durable and can be moulded into nearly any shape.
4. Sea turtles eat plastic bags and soda-can rings, which resemble jellyfish, their favourite food. Seabirds eat bottle caps or chunks of foam cups. Plastic pieces may make an animal feel full, so it doesn't eat enough real food to get the nutrients it needs. Plastic can also block an animal's digestive system, making it unable to eat.
5. Plastic and its associated pollutants can even make it into our own food supply. Scientists recently examined fish and shellfish bought at markets in California and Indonesia. They found plastic in the guts of more than a quarter of samples purchased at both locations; in organisms that people eat whole, such as sardines and oysters, that means we're eating plastic too. In larger fishes, chemicals from plastic may seep into their muscles and other tissues that people consume.
6. One way to keep the ocean cleaner and healthier is through clean-up efforts. A lot of plastic waste caught in ocean currents eventually washes up on beaches. Removing it prevents it from blowing out to sea again. Beach clean-up is ocean clean-up.
7. Clean-up efforts can't reach every corner of the 'ocean or track down every bit of micro-plastic'. That means it's critical to cut down on the amount of plastic that reaches the sea in the first place. Scientists are working towards new materials that are safer for the environment. For example, Jambeck and her colleagues are currently testing a new polymer that breaks down more easily in seawater.

Answer the following questions, based on the passage above.

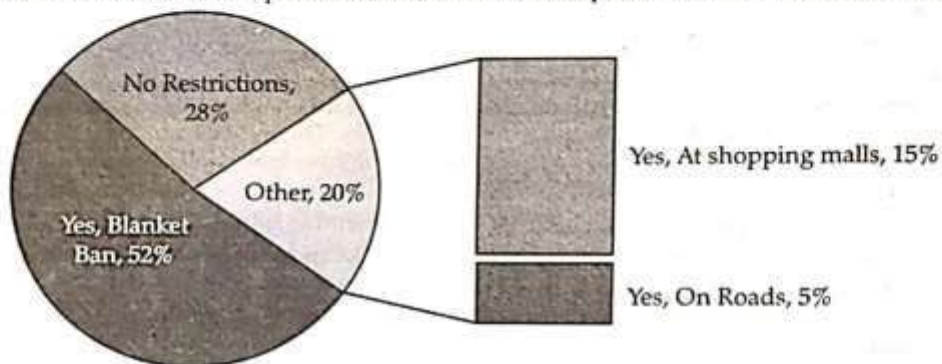
- (i) Plastic is not biodegradable because it is made up of _____ . 1
- (A) low atomic particles (B) tiny particles
- (C) strong big particles (D) large molecule polymers
- (ii) What is the primary source of plastic pollution in the Earth's oceans? Answer in about 40 words. 2
- (iii) Complete the sentence appropriately. 1

Plastic pollution in the oceans is primarily caused by _____ activities, which result in the accumulation of plastic waste in the marine environment.

- (iv) What is another term or phrase that can be used to describe the process of plastic waste being carried from land to the ocean? 1
- (v) Complete the sentence appropriately. 1
Plastic pollution poses a significant threat to marine ecosystems, as approximately _____ of ocean plastic originates on land, while the remaining comes from marine industries such as shipping and fishing.
- (vi) Based on the reading of the passage, why is it important to cut down on the amount of plastic that reaches the ocean in the first place? 2
- (vii) Scientists bought fish and shellfish for examination at markets in _____. 1
(A) China and Russia (B) Pakistan and Afghanistan
(C) California and Indonesia (D) Australia and Brazil
- (viii) Scientists are working towards new material to replace plastics. Which material is being looked for? 1

Q. 2. Read the following text. 10

- Most of us know that smoking causes cancer, lung disease, heart disease, can shorten life by 10 years or more and can cost a smoker thousands of rupees a year. So, why are people still smoking? The answer, in a word, is addiction.
- Smoking is a hard habit to break because tobacco contains the very addictive chemical nicotine. The body and mind quickly get used to the nicotine in cigarettes. Soon, a person needs to have it just to feel normal.
- People start smoking for different reasons. Some think it looks cool. Others start because their family members or friends smoke. Almost all adult tobacco users started before they were 18 years old. Most never expected to become addicted.
- Many of the chemicals in cigarettes, like nicotine and cyanide, are poisons that can kill in high doses. The body is smart. It goes on the defence when it's being poisoned. First time smokers often feel pain or burning in their throat and lungs, and some even cough vigorously the first few times they try tobacco. Over time, smoking leads to health problems such as heart disease, stroke, lung damage and many types of cancer — including lung, throat, stomach, and bladder cancer.
- A survey was conducted to collect views of the people whether smoking should be allowed or not in public places. The results of the responses received have been depicted in the form of pie chart here.



Answer the following questions, based on the passage above.

- (i) Complete the sentence appropriately. 1
The body's response to the chemicals in cigarettes, such as nicotine and cyanide, is to _____.
- (ii) Fill in the blanks with an appropriate response. 1
Smoking is a hard habit to break because _____.
- (iii) Justify the following statement: "Smoking can lead to various health problems such as heart disease, stroke, lung damage, and cancer." 2
- (iv) What is the basic reason for continuing smoking even after knowing its harmful effects? 1
- (v) What is the meaning in which 'cool' has been used in Para 3 of the passage? 1
- (vi) Which of these types of cancers is likely to be caused by smoking? 1
(A) Lung cancer (B) Blood cancer (C) Breast cancer (D) Bone cancer
- (vii) Why do some smokers experience pain, burning sensation, and coughing when they start smoking for the first time? 2
- (viii) _____ contains an additive substance called nicotine. 1
(A) Liquor (B) Coffee (C) Tobacco (D) Fruit juice

Section B : Grammar & Writing Skills

(20 marks)

GRAMMAR

(10)

Q. 3. Complete ANY TEN of twelve of the following tasks, as directed.

(1×10)

(i) Fill in the blank by using the correct form of the word in the bracket.

Don't make a noise, she (sleep)

(ii) Identify the error and supply the correction. Use the given format for your response.

We can balance the summer heat by consuming food items who have cooling effect on our body.

Error	Correction

(iii) Rahul asks a question to his father. Report Rahul's question.

Father, can you suggest me a topic for a Science project ?

(iv) Which option highlights the correct change of the speech of the following sentence?

He said, "They will be using my car for the trip."

(A) He said that they would be using his car for the trip.

(B) He said that we will be using his car for the trip.

(C) He said that they will be using my car for the trip.

(D) He said that they would be using my car for the trip.

(v) Fill the blank by choosing the correct option.

I had ___ rice today. (enough/all)

(vi) Identify the error and supply the correction. Use the given format for your response.

Reading books is a best hobby to pass leisure time.

Error	Correction

(vii) Select the option that identifies the error and supplies the correction for the given line:

The multi-cuisine restaurants add for the charm.

Error

Correction

(A) The

A

(B) add

adds

(C) for

to

(D) charm

charms

(viii) Select the correct option to complete the narration of the dialogue between Radha and Shikha.

Radha : Do you know how to swim?

Shikha : Yes I know. I have learnt it during this summer vacation.

Radha asked Shikha if/whether she knew how to swim. Then Shikha replied in affirmative and also added that _____.

(A) she had learnt it during the summer vacation

(B) she has learnt it during the summer vacation

(C) she have learnt it during the summer vacation

(D) she had learn it during the summer vacation

(ix) Report the dialogue between Kunal and Priyani by completing the sentence.

Kunal : Where have you been yesterday?

Priyani : I was at my uncle's house.

Kunal asked Priyani to which she replied that she had been at her uncle's house.

(x) Complete the given statement by filling in the blank with the correct option.

The wealth of Bill Gates only by Jeff Bezos, who has current net worth of \$116 billion.

(A) surpasses

(B) is surpassed

(C) is surpassing

(D) surpassed

(xi) Select the correct option to complete the sentence.

The man see the face of the woman because she was sitting with her back to him.

(A) won't

(B) don't

(C) couldn't

(D) hasn't

(xii) Identify the error and supply the correction. Use the given format for your response.

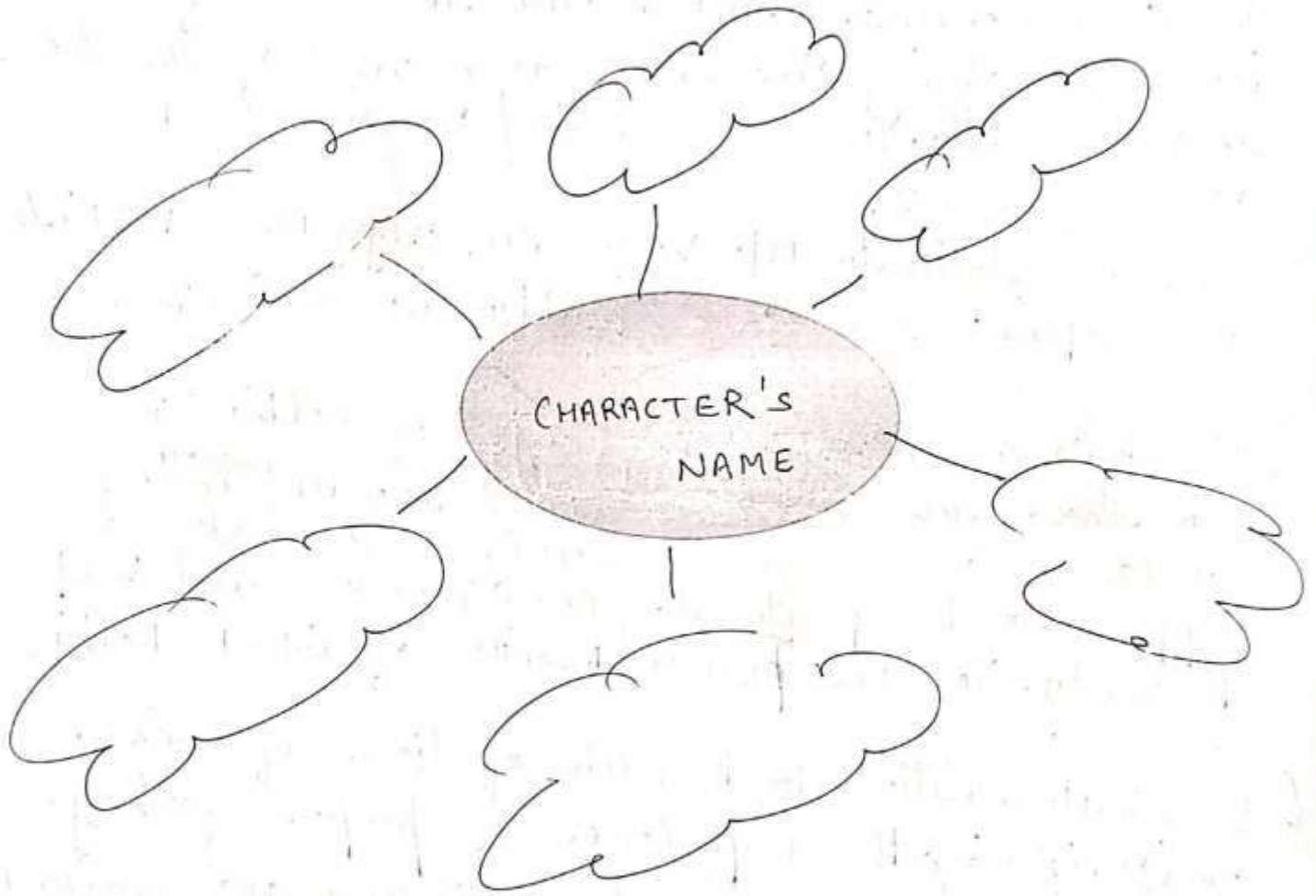
Have you ever wonder why certain children bubble in energy?

Error	Correction

Worksheet-4

Q: After clubbing all the character traits of the following characters in the form of below given format, form ^{all the} character sketch in the form of a paragraph and it should not exceed 100-120 words.

- ✓ ❖ LENCHO
- ✓ ❖ POST MASTER
- ✓ ❖ SEAGULL
- ✓ ❖ MRS. PUMPHREY
- ✓ ❖ MR. JAMES HARRIOT
- ✓ ❖ TRICKY
- ✓ ❖ ANIL
- ✓ ❖ HARI SINGH



Worksheet-5

1. Write a letter to the Delhi Jal Board to complaint against scarcity of water in your area. You are Robin/Ronita, living at Bhagat Colony, Kanjhawla, Delhi.
2. "Always choose kindness over aggression is a key that one should always keep to open up others heart and mind." Write a letter to editor of the Hindustan Times to bring this idea as need of the hour to the Youth. You are Sameer/ Samaira of Mayur Vihar Phase-2.
3. Write a letter to M/s Vijay Sales, Udyog Nagar, Delhi to complaint against a faulty kitchen Chimmney.
4. Write a letter to the Editor of Delhi Times to show your concern about the unprivelledged children around your society and make an appeal to the cone forward and help the needy. You are Pranav/ Pranika of G.K-1 Delhi.
5. Write a letter to the Editor of Times of India highlighting the importance of proper garbage disposal with an aim to create awareness among the city residents, You are Rohan/ Rohanika, a resident of 126-B, Shakti Naagar, New Delhi.

SCIENCE
WORKSHEET-1

CHEMICAL REACTIONS AND EQUATIONS

VERY SHORT ANSWER QUESTION:

1. What happens when the milk is left at room temperature during summer?
2. Write a chemical equation when magnesium is burnt in air to give magnesium oxide.
3. A substance undergoes chemical reactions to produce simple products, what type of reaction is this.
4. Why do copper vessels lose their shine when exposed to air?
5. $\text{Fe}_2\text{O}_3 + \text{Al} \rightarrow \text{Al}_2\text{O}_3 + \text{Fe}$
6. Which gas is produced by the action of dilute hydrochloric acid on zinc granules? The above reaction is an example of which type of reaction?
7. Name the type of reaction in which energy is absorbed.
8. Why does the colour of copper sulphate solution change when an iron nail is dipped in it?
9. Give an example of decomposition reaction which proceeds by absorbing electric energy.
10. Why do we balance the chemical equation?

SHORT ANSWER QUESTIONS:

1. Write down the observations which indicate the occurrence of a chemical reaction.
2. Why is respiration considered as an exothermic reaction?
3. Transfer the following statements into chemical equations and then balance them: (a) Hydrogen gas combines with nitrogen to form ammonia.
(b) Potassium metal reacts with water to give potassium hydroxide and hydrogen gas.
4. Identify the substances that are oxidised and the substances reduced in the following reactions:
(a) $\text{Na} + \text{O}_2 \rightarrow \text{Na}_2\text{O}$
(b) $\text{CuO} + \text{H}_2 \rightarrow \text{Cu} + \text{H}_2\text{O}$
5. What happens when silver chloride is exposed to sunlight?
6. Give one practical application of this reaction. Write the equation also.
7. Why is the bag used for potato chips flushed with nitrogen gas?
8. Write down the balanced chemical equations for the following reactions:
(a) Zinc carbonate \rightarrow Zinc oxide + Carbon dioxide
(b) Aluminium + Chlorine \rightarrow Aluminium chloride
(c) Magnesium + water \rightarrow magnesium hydroxide + hydrogen
9. Choose combination, displacement and double displacement reactions out of the given reactions:
(a) $\text{MnO}_2 + 4\text{HCl} \rightarrow \text{MnCl}_2 + \text{Cl}_2 + 2\text{H}_2\text{O}$
(b) $\text{CaO} + \text{CO}_2 \rightarrow \text{CaCO}_3$
10. What happens when CO, is passed through slaked lime? Write the balanced chemical equation. Write the type of reaction that has occurred.

LONG ANSWER QUESTIONS:

1. Balance the following chemical equations and identify the type of reaction they represent.
(a) $\text{KClO}_3 \rightarrow \text{KCl} + \text{O}_2$
(b) $\text{NH}_3 + \text{O}_2 \rightarrow \text{NO} + \text{H}_2\text{O}$
(c) $\text{Na}_2\text{O} + \text{H}_2\text{O} \rightarrow \text{NaOH}$
(d) $\text{Na} + \text{H}_2\text{O} \rightarrow \text{NaOH} + \text{H}_2$
(e) $\text{FeCl}_3 + \text{NaOH} \rightarrow \text{Fe}(\text{OH})_3 + \text{NaCl}$
2. Define various types of chemical reactions. Write one chemical equation for each type.

WORKSHEET-2

ACID BASES AND SALTS

1. You have two solutions, A and B. The pH of solution A is 1 and pH of solution B is 14. Which solution has more hydrogen ion concentration? Which of this is acidic and which one is basic?
2. Why do HCl, H₂SO₄, etc., show acidic characters in aqueous solutions while solutions of compounds like alcohol and glucose do not show acidic character?
3. Why does an aqueous solution of an acid or base conduct electricity?
4. How can we increase concentration of H⁺(aq) ions in a solution?
5. Why does dry HCl gas not change the colour of the dry litmus paper but changes to red when it is moist?
6. What precaution one must keep while diluting an acid and why?
7. What is the concentration of hydronium ions (H₃O⁺) affected when a solution of an acid is diluted?
8. Explain the role of water in the ionization of acids and bases.
9. Which indicator is used to find out the strength of an acid or base? How?
10. Fill in the following blanks with suitable words:
 - a) Acid have pH _____ than 7
 - b) Bases have a pH _____ than 7
 - c) Neutral substance have a pH of _____
 - d) The more acidic a solution, the _____ the pH.
 - e) The more alkaline a solution, the _____ the pH.
 - f) Mixing an acid or base with water results in _____ in the concentration of ions (H₃O⁺/OH⁻) per unit volume
 - g) Higher the hydronium ion concentration, _____ is the pH value.
 - h) When pH of mouth falls below _____, the acids produced in the mouth attack enamel causing tooth cavities.
 - i) _____ is present in the bee stings which can be neutralised by applying a mild base such as _____.
 - j) Distilled water will produce a _____ colour with universal indicator.

WORKSHEET-3

LIFE PROCESSES

(A) Multiple Choice Questions

Q1. Which of the following is the correct equation for the summary of photosynthesis

- a. $6\text{CO}_2 + 12\text{H}_2\text{O} \longrightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$
- b. $6\text{CO}_2 + \text{H}_2\text{O} + \text{sunlight} \longrightarrow \text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2 + 6\text{H}_2\text{O}$
- c. $6\text{CO}_2 + 12\text{H}_2\text{O} + \text{chlorophyll} + \text{sunlight} \longrightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$
- d. $6\text{CO}_2 + 12\text{H}_2\text{O} \text{ chlorophyll} + \text{sunlight} \longrightarrow \text{C}_6\text{H}_{12}\text{O}_6 + 6\text{O}_2 + 6\text{H}_2\text{O}$

Q2. Products of anaerobic respiration in muscles are

- a. Lactic acid and energy
- b. Lactic acid ,carbon dioxide and energy
- c. Lactic acid ,water ,carbon dioxide and energy
- d. Lactic acid , water , and energy

Q3. Which of the following statements are true about respiration

- a. During inhalation , ribs move inward and diaphragm is raised
 - b. In alveoli exchange of gases takes place i.e oxygen from blood into alveolar air
 - c. Haemoglobin has greater affinity for carbon dioxide than oxygen
 - d. Alveoli increase the surface area for absorption of gases
- i. a & d ii. b & c iii. a & c iv. b & d

Q4. The main function of the urinary bladder is to

- a. control the pressure of urine in the urinary bladder
- b. take the urine from the kidney to the urinary bladder
- c. filter blood and remove the urine
- d. connect the parts of the excretory system

(B) Assertion and Reasoning

Direction : in the following questions , a statement of assertion (A) is followed by a statement of reason (R) . Mark the correct choice as :

- a. Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A)

- b. Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A)
- c. Assertion (A) is true but reason(R) is false
- d. Assertion (A) is false but reason(R) is true

Q5. Assertion: aerobic respiration requires less energy as compared to anaerobic respiration .

Reason : mitochondria is the power house of the cell .

Q6. Assertion: human heart is four chambered .

Reason : vena cava is the only artery that supplies deoxygenated blood to the heart

Q7. Assertion: energy is required to carry on different life processes

Reason : energy is obtained in the form of ATP in mitochondria

(C)Answer very briefly

Q9. _____ enzyme digests starch

Q10. Which is the largest gland in the human body ?

Q11. List a difference between pepsin and trypsin

SECTION B (3 mark questions)

Q12. Name the following :

- a. The process in plants that links light energy with chemical energy
- b. Organisms that can prepare food on their own
- c. The cell organelle where photosynthesis occurs
- d. Cells that surround the stomatal pore
- e. Organisms that cannot prepare their own food
- f. An enzyme secreted from the gastric glands in the stomach that acts on proteins

Q13. How are alveoli designed to maximize the exchange of gases?

Q14. Answer as directed

- a. Write two water conducting tissues present in plants ? how does water continuously enter into the root system ?
- b. Explain why plants have low energy needs as compared to animals

Q15. Answer as directed

- a. What is peristalsis ?
- b. What will happen if the diaphragm of a person will get ruptured in an accident ?

Q16. How is aerobic respiration different from anaerobic respiration

SECTION C (5 marks)

Q17. Describe the processes of urine formation in the kidneys

Q18. Draw a sectional view of the human heart and label the following

- a. The chamber of the heart that pumps out deoxygenated blood
- b. The blood vessel that carries away oxygenated blood from the heart
- c. The blood vessel that receives deoxygenated blood from the lower part of our body
- d. Part that prevents the backward flow of blood

WORKSHEET-4

ONE MARK QUESTIONS

1. Refractive index of water is $\frac{4}{3}$ and that of the glass is $\frac{3}{2}$ with regard to air. What is the refractive index of glass with respect to the water? What is the power of concave lens of focal length 200cm?
2. The radius of curvature of spherical mirror is 20cm. What is its focal length?
3. What is the angle of reflection when a ray of light falls normally on a plane mirror?
4. What is the magnification produced by the plane mirror?
5. What is the nature of image formed by concave mirror if magnification produced by mirror is +3.
6. If the speed of light in a medium is 2×10^8 m/s, then what is its refractive index?
7. The refractive index of diamond is 2.42. What is the meaning of this statement in relation to the speed of light?
8. What do you mean by Power of the lens?

TWO MARKS QUESTIONS

9. The power of the lens is -2D. What is the focal length and nature of the lens?
10. An object 2cm high produces a real image 3 cm high, when placed at a distance of 15cm from a concave mirror. Calculate the position of the image.
11. The power of a lens is -4D. State the nature of lens and any two characteristics of the image formed by the lens.
12. State two examples based on the phenomenon of refraction of light in everyday life situations.
13. Distinguish between real and virtual images.
14. Name the type of mirror used in the following situations:
 - a) Headlights of car
 - b) rear-view mirror of vehicles
15. An object is placed at a distance of 10 cm from a convex mirror of focal length 15 cm. Find the position and nature of the image.
16. Define: 1) Snell's law of refraction of light. 2) Pole of a concave mirror.
17. (a) We prefer to use a convex mirror as a rear view mirror in vehicles. Why?
18. State a condition for no refraction of light when light enters from one medium to another.

THREE MARKS QUESTIONS

19. The refractive indices of alcohol and turpentine oil with respect to air are 1.36 and 1.47 respectively. Find the refractive index of turpentine oil with respect to alcohol. In which of the two media the speed of light will be more.
20. a) Define power of a lens and give its unit.
b) A convex lens forms a real and inverted image of a needle at a distance of 50 cm from it. Where is the needle placed in front of this lens if the size of the image is equal to the size of the object? Also find power of the lens.
21. Two thin lenses of focal lengths +20 cm and -15 cm are kept in contact. What is the focal length and power of the combination?
22. An object 2 cm high is placed at a distance of 16 cm from a concave mirror which produces a real image 3 cm high. (a) Find the position of the image (b) What is the focal length of mirror?
23. Using lens formulae, find the position of image, its nature.
24. An object is placed at a distance of 10 cm in front of a convex mirror of focal length 15 cm. Find the nature and position of image.
25. Draw a ray diagram and show the image formed by a concave mirror when the object is kept at focus.
26. Two thin lenses of power +3.5 D and -2.5 D are placed in contact. Find the power & focal length of lens combination?
27. Define magnification. Write the sign convention used for expressing it, and find magnification formed by a concave lens of focal length 20 cm and the object is at 15 cm.
28. What is the lens formula? Write the sign convention for various mirrors and lenses.
29. Name the lens/mirror in the following situations;
i) Rear View mirror ii) magnifying Glass iii) Mirror with Dentist iv) Correction of Myopia

FIVE MARKS QUESTIONS

30. Draw a ray diagram in each of the following cases to show the formation of an image, when an object is placed
(a) Between optical centre and principal focus of a convex lens.
(b) Between F and 2F of a concave lens
(c) At 2F of a convex lens
31. Write the characteristics of the image formed in each case.
32. A 1 cm tall object is placed perpendicular to the principal axis of a convex lens of focal length 20 cm. The distance of the object from the lens is 15 cm. Find the nature, position, size and magnification of the image.
33. Find the size, nature and position of the image formed when an object of size 1 cm is placed at a distance of 15 cm from a concave mirror of focal length 10 cm.
34. Draw the ray diagram for the different positions of the images formed by a concave mirror.

SANSKRIT
WOKSHEET-1

अधोलिखितवाक्येषु अङ्कानां स्वाने संस्कृतपदेषु समयं लिखत-

1. अचः विद्यालयस्य पाठ्यचर्यायाः समयः अङ्केषु दत्तः । अङ्कानां स्थाने संस्कृतपदैः समयं लिखत-

- (i) प्रातः (7:45) _____ वादने विद्यालयस्य प्रार्थना भवति ।
(ii) अनन्तरं (8:15) _____ वादने कक्षाः आरभन्ते ।
(iii) मध्याह्ने (12:00) _____ वादने भोजनावकाशः भवति ।
(iv) सायं (3:30) _____ वादने छात्राः गृहं गच्छन्ति ।

2. अधोलिखिते कार्यक्रमे अङ्कानां स्थाने समयं संस्कृतपदेषु लिखत-
मैटोरेलयानस्य-प्रस्थान-समय-सारिणी-

मैटोरेलयानम् (i) _____ (10:00) वादने शाहदरा मैटोरेलस्थानके तिष्ठति । एतत् (ii) _____ (10:15) वादने कश्मीरीगेट इत्यत्र आगच्छति । ततः पीतरेखाङ्कितं अन्यं यानं (iii) (10:30) _____ वादने राजीवचौक इति स्थानम् वादने द्वारकारेलस्थानकम् आगच्छति । ततश्च पुनः एकमन्यत् यानं (iv) (11:45) _____ आगच्छति ।

3. अधोलिखितानाम् अङ्कानां स्वाने संस्कृतपदैः समयं लिखत-

- दिवाकरः (i) _____ (7:30) वादने विद्यालयं गच्छति ।
(ii) (2:15) _____ वादने विद्यालयात् आगच्छति ।
(iii) (6:00) _____ वादने उद्यानं गच्छति ।
(iv) (7:45) _____ वादने भोजनं करोति ।

4. अधोलिखिते कार्यक्रमे अङ्कानां स्थाने समयं संस्कृतपदेषु लिखत- विद्यालयस्य समय-सारिणी-

- (i) प्रातः _____ (7:30) वादने प्रार्थना सभा ।
(ii) प्रातः _____ (10:15) अर्घावकाशः ।
(iii) मध्याह्ने _____ (11:45) वादने विविधाः क्रीडाः ।
(iv) मध्याह्ने _____ (1:30) पूर्णावकाशः ।

5. अधोलिखितेषु वाक्येषु सुरेशः कदा किं करोति इति अङ्केषु दत्तं समयं संस्कृतशब्दैः उत्तरपुस्तिकायां लिखत-

- (i) प्रातः (5:30) _____ वादने उत्तिष्ठति ।
(ii) ततः (7:45) _____ वादने विद्यालयं गच्छति ।
(iii) अपराह्ण (2:00) _____ वादने विद्यालयात् आगच्छति ।
(iv) रात्रौ (10:15) _____ वादनं यावत् पठित्वा स्वपिति ।

WORKSHEET-2

1. पित्रे मातृस्वास्थ्यविषयकं लिखितमिदं पत्रं मञ्जूषायां प्रदत्ते: उचितपदैः पूरयत-

परीक्षाभवनात्,
मुम्बई

दिनाङ्कः _____

आदरणीयाः (i) _____

सादरं प्रणामम् ।

अत्र (ii) _____ तत्रास्तु। सम्प्रति पूज्या (iii) _____ ज्वरेण पीडिता अस्ति। इदम् अतीव
कष्टं (iv) _____ मनसि वर्तते। अहम् (v) _____ द्रष्टुम् (vi)
_____ किन्तु परीक्षायाः कारणात् आगन्तुं (vii) _____ नास्मि। ईश्वरकृपया सर्व (viii)
_____ भवतु।

सर्वेभ्यः (ix) _____ ।

(x) _____
रोहितः

मञ्जूषा

माता, मम, मातरम्, नमः, इच्छामि, पितृमहाभागाः, कुशलम्,
भवताम् सुतः, शुभम्, समर्थः

2. स्वविद्यालये आयोजितां 'शैक्षणिक-प्रदर्शनीम्' अभिलक्ष्य मञ्जूषायाः उचितैः शब्दैः संस्कृते पञ्च वाक्यानि लिखत-

मञ्जूषा

अति आनन्दिताः आसन्, प्रदर्शनी, सफला, किं प्रदर्शनम् कृतम्, मार्गदर्शनं, अहं प्रौढशिक्षायाः,
विषये, प्रदर्शनम्, अकरवम्

(i) _____

(ii) _____

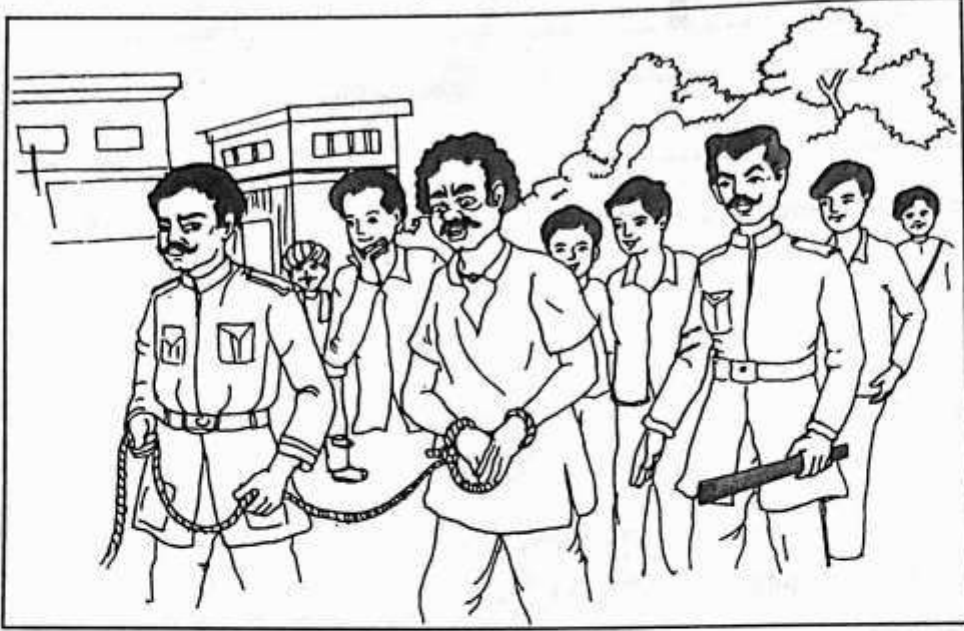
(iii) _____

(iv) _____

(v) _____

अथवा

प्रदत्तशब्दानां सहायतया अधोलिखितस्य चित्रस्य वर्णनं संस्कृते पञ्चसु वाक्येषु कुरुत-



मञ्जूषा

बन्दी, आरक्षकः, बन्धेनन, भवनानि, जनसम्मर्दः, वृक्षाः, नयति,
दर्शकाः, प्रमुदिताः, अनुसरन्ति

(i)

(ii)

(iii)

(iv)

(v)

WORKSHEET-3

1. अधोलिखितम् अनुच्छेदम् पठित्वा प्रश्नानाम् उत्तराणि प्रदत्तस्थानेषु लिखत-

एकः टोपिकाविक्रेता अनेकवर्णाः टोपिकाः विक्रीणाति स्म। एकस्मिन् दिने श्रान्तः स एकस्य वृक्षस्य शीतलच्छायायाम् उपाविशत्। शनैः-शनैः निद्रा तं स्ववशे अकरोत्। सः पुटकं शिरस्तले निधाय अस्वपत्। वृक्षे स्थिताः वानराः विविधवर्णयुक्ताः टोपिकाः पुटके दृष्ट्वा अधः अवातरन्। शनैः-शनैः ते पुटकात् टोपिकाः निष्कास्य शिरसि धारयित्वा वृक्षम् आरोहन्। प्रबुद्धः टोपिकाविक्रेता यदा उपरि पश्यति तदा रक्तनीलवर्णाः टोपिकाः धारयतः वानरान् पश्यति। “हा दैव! नष्टाः मे सर्वाः टोपिकाः!” इति विलपन् सः आत्मनः शिरसि धारितां टोपिकाम् अपि वेगेन भूमौ क्षिपति कथयति च— “रे दुष्टाः! सर्वाः टोपिकाः तु गृहीताः। एताम् अपि नयत।” प्रकृत्या अनुकरणशीलाः वानराः अपि स्व-स्वटोपिकाः भूमौ प्रक्षिप्तवन्तः। आश्चर्यचकितः सः सर्वाः टोपिकाः विचित्य स्वपुटके स्थापयित्वा प्रसन्नः सन् गृहं प्रति अचलत्।

I. एकपदेन उत्तरत-

(i) टोपिकाविक्रेता काः विक्रीणाति स्म?

उत्तरम्

(ii) प्रकृत्या वानराः कीदृशाः भवन्ति?

उत्तरम्

II. पूर्णवाक्येन उत्तरत-

(i) प्रबुद्धः टोपिकाविक्रेता वृक्षे कान् अपश्यत्?

उत्तरम्

(ii) श्रान्तः टोपिकाविक्रेता किम् अकरोत्?

उत्तरम्

III. भाषिककार्यम्-

(i) ‘एताम् अपि नयत’ इति अत्र ‘एताम्’ पदं कस्यै प्रयुक्तम्?

(क) टोपिकायै

(ख) वानराय

(ग) दुष्टाय

(घ) भूम्यै

उत्तरम्

(ii) अस्मिन् अनुच्छेदे ‘अधः’ इति पदस्य किं विपर्ययपदम् अनुच्छेदे प्रयुक्तम्?

(क) शिरसि

(ख) वृक्षे

(ग) उपरि

(घ) भूमौ

उत्तरम्

(iii) ‘क्षिपति’ इति क्रियायाः कर्तृपदं किम्?

(क) वानरः

(ख) सः

(ग) दुष्टः

(घ) टोपिका

उत्तरम्

(iv) ‘अनुकरणशीलाः’ इति विशेषणपदस्य किं विशेष्यपदं अनुच्छेदे आगतम्?

(क) विक्रेता

(ख) वानराः

(ग) टोपिका

(घ) गृहम्

उत्तरम्

IV. अस्य अनुच्छेदस्य समुचितं शीर्षकं लिखत ।

उत्तरम्

2. अधोलिखितान् गद्यांशान् पठित्वा प्रश्नानाम् उत्तराणि लिखत-

यद्यपि अस्मिन् संसारे बहूनि वस्तूनि सन्ति, परं विद्यैव सर्वश्रेष्ठं धनम् अस्ति । विद्यया मानवः विनयशीलः भवति, विनयाद् असी पात्रतां प्राप्नोति, पात्रत्वात् सः धनं प्राप्नोति । धनाद् धर्मं कृत्वा एव सः सुखं लभते । सुप्रतिष्ठिते कुले समुत्पन्नः रूपयौवनसम्पन्नः जनः अपि यदि विद्यया हीनः भवति तदा समाजे सः सम्मानं न प्राप्नोति । विद्यया एव सः सर्वविधं ज्ञानं प्राप्य आत्मनः समाजस्य च उत्थानं करोति, लोके धनं कीर्तिं च प्राप्नोति । विद्या मानवस्य मातेव रक्षां करोति, पितेव हिते नियोजयति । विद्या वस्तुतः कल्पलता विद्यते । अन्यद् धनं व्यते कृते क्षयं प्राप्नोति, परं विद्याधनं व्यये-कृते वर्धते । अतः सत्यमेव उक्तम्— 'विद्याधनं सर्वधनं प्रधानम् ।'

I. एकपदेन उत्तरत-

(i) मानवः कया विनयशीलः भवति?

उत्तरम्

(ii) विद्याधनं कदा वर्धते?

उत्तरम्

II. पूर्णवाक्येन उत्तरत-

(i) विद्यया सर्वविधं ज्ञानं प्राप्य मानवः लोके किं प्राप्नोति?

उत्तरम्

(ii) सर्वश्रेष्ठं धनं किम् अस्ति?

उत्तरम्

III. प्रदत्तविकल्पेभ्यः उचितम् उत्तरं चित्वा लिखत-

(i) 'दुःखम्' इति पदस्य किं विलोमपदम् अनुच्छेदे प्रयुक्तम्?

(क) सम्मानम्

(ख) धर्मम्

(ग) सुखम्

(घ) धनम्

उत्तरम्

(ii) 'नियोजयति' इति क्रियापदस्य कर्तृपदं किम्?

(क) मातेव

(ख) पितेव

(ग) विद्या

(घ) हिते

उत्तरम्

(iii) 'रूपयौवनसम्पन्नः' इति विशेषणपदस्य किं विशेष्यपदम् अनुच्छेदे प्रयुक्तम्?

(क) उत्पन्नः

(ख) जनः

(ग) हीनः

(घ) विनयशीलः

उत्तरम्

(iv) "विद्यया एव सः" अत्र 'सः' इति सर्वनामपदं कस्मै प्रयुक्तम्?

(क) जनाय

(ख) समाजाय

(ग) सम्मानाय

(घ) ज्ञानाय

उत्तरम्

IV. अस्य अनुच्छेदस्य कृते समुचितं शीर्षकं संस्कृतेन लिखत ।

उत्तरम्

WORKSHEET-4

1. अधोलिखितम् अनुच्छेदम् पठित्वा प्रश्नानाम् उत्तराणि प्रदत्तस्यानेषु लिखत-

एकदा राजकुमारः सिद्धार्थः विहारार्थम् उपवनं गतः। सहसा एकां क्रन्दनध्वनिं श्रुत्वा सः इतस्ततः अपश्यत्। बाणेन विद्धः एकः हंसः भूमौ पतितः आसीत्। एतद् दृष्ट्वा सिद्धार्थस्य चित्तं करुणया व्याकुलं जातम्। सः धावित्वा हंसस्य शरीरात् बाणं निष्कास्य तम् अङ्के अधारयत्। अत्रान्तरे देवदत्तः धावन् तत्र प्राप्तः। सिद्धार्थस्य हस्ते हंसं दृष्ट्वा सः उच्चैः अवदत्- "सिद्धार्थ! एषः मम हंसः। मया बाणेन निपातितः, अतः मह्यं देहि।" सिद्धार्थः दृढतया अवदत्- "अहं न दास्यामि। अहम् अस्य रक्षकः अस्मि।" तदा तौ विवादं कुर्वन्तौ राजसभां गतौ। राजा सर्वं वृत्तान्तम् आकर्ण्य आदिशत्- "यस्य पार्श्वे हंसः गमिष्यति तस्यैव भविष्यति।" हंसः सिद्धार्थस्य समीपं गतवान्। सत्यमिदम्- भक्षकात् रक्षकः श्रेयान्।

I. एकपदेन उत्तरत-

(i) कः क्रन्दनध्वनिं श्रुतवान्?

उत्तरम्

(ii) राजकुमारः सिद्धार्थः विहारार्थं कुत्र गतवान्?

उत्तरम्

(iii) सिद्धार्थः सहसा किं श्रुत्वा इतस्ततः अपश्यत्?

उत्तरम्

(iv) कः दृढतया अवदत्?

उत्तरम्

II. पूर्णवाक्येन उत्तरत-

(i) सिद्धार्थः किं कृत्वा हंसम् अङ्के अधारयत्?

उत्तरम्

(ii) तौ किं कुर्वन्तौ कुत्र गतौ?

उत्तरम्

III. भाषिककार्यम्-

(i) अनुच्छेदे 'उद्यानम्' इति पदस्य समानार्थकं किम्?

(क) उपवनम्

(ख) एकदा

(ग) बाणम्

(घ) राजकुमारः

उत्तरम्

(ii) अस्मिन् अनुच्छेदे 'शनैः' पदस्य कः विपर्ययः प्रयुक्तः?

(क) पार्श्वे

(ख) समीपम्

(ग) दूरम्

(घ) उच्चैः

उत्तरम्

(iii) अनुच्छेदे 'राजा' इति कर्तृपदस्य क्रियापदं किम्?

(क) भविष्यति

(ख) गमिष्यति

(ग) आदिशत्

(घ) निपातितः

उत्तरम्

(iv) 'सः धावित्वा' अत्र 'सः' पदं कस्मै प्रयुक्तम्?

(क) सिद्धार्थाय

(ख) हंसाय

(ग) भक्षकाय

(घ) देवदत्ताय

उत्तरम्

IV. अस्य गद्यांशस्य कृते समुचितं शीर्षकं लिखत ।

उत्तरम्

2. अधोलिखितान् गद्यांशान् पठित्वा प्रश्नानाम् उत्तराणि लिखत-

प्रातःकालः अतीव मधुरः कालः भवति । यदा स्वच्छे आकाशे सूर्यः उदेति तदा अन्धकारः दूरे गच्छति । सर्वत्र प्रकाशः एव प्रकाशः भवति । पक्षिणः यत्र-तत्र भ्रमन्ति । मधुरेण स्वरेण मधुरं गीतं गायन्ति । सरोवरेषु कमलानि उद्यानेषु च विभिन्नानि पुष्पाणि विकसन्ति । तेषु भ्रमराः सानन्दं विचरन्ति । शीतलः वायुः वहति । सम्पूर्णं वातावरणं सुगन्धमयम् भवति । भ्रमणशीलाः प्रसन्नाः जनाः उद्यानेषु भ्रमन्ति । केचन तत्रैव व्यायामं कुर्वन्ति । अनेके बालाः अपि उद्यानेषु यत्र-तत्र धावन्ति क्रीडन्ति च । ते अतीव प्रसन्नाः सन्ति । पशवः अपि प्रसन्नाः भवन्ति । वानराः वृक्षेषु कूर्दन्ति । कुक्कुराः क्रीडन्ति, हरिणाः धावन्ति, विडालाः च दुग्धं पिबन्ति । अधुना सर्वे जनाः स्वकार्येषु संलग्नाः भविष्यन्ति । एषा सुखदायिनी प्रभातवेला जनान् कर्तव्यस्य पाठं पाठयति । धन्या एषा प्रभातवेला ।

I. एकपदेन उत्तरत-

(i) यदा सूर्यः उदेति तदा दूरे किं गच्छति?

उत्तरम्

(ii) प्रभातवेला जनान् कस्य पाठं पाठयति?

उत्तरम्

II. पूर्णवाक्येन उत्तरत-

(i) बालाः उद्यानेषु किं कुर्वन्ति?

उत्तरम्

(ii) सरोवरेषु किं भवति?

उत्तरम्

III. प्रदत्तविकल्पेभ्यः उचितम् उत्तरं चित्वा लिखत-

(i) 'प्रभातवेला' इति पदस्य किं विशेषणपदम् अत्र प्रयुक्तम्?

(क) स्फूर्तिदायिनी

(ख) सुखदायिनी

(ग) प्रसन्ना

(घ) मधुरः

उत्तरम्

(ii) 'भविष्यन्ति' इति क्रियापदस्य कर्तृपदं किम् अस्ति?

(क) हरिणाः

(ख) बालाः

(ग) भ्रमराः

(घ) जनाः

उत्तरम्

(iii) 'ते अतीव प्रसन्नाः सन्ति' इति वाक्ये 'ते' सर्वनामपदं केभ्यः प्रयुक्तम्?

(क) बालेभ्यः

(ख) जनेभ्यः

(ग) खगेभ्यः

(घ) विडालेभ्यः

उत्तरम्

(iv) 'सूर्यः' इति कर्तृपदस्य अत्र किं क्रियापदं प्रयुक्तम्?

(क) गच्छति

(ख) दूरे

(ग) उदेति

(घ) अस्ति

उत्तरम्

IV. अस्य अनुच्छेदस्य कृते समुचितं शीर्षकं संस्कृतेन लिखत ।

उत्तरम्

WORKSHEET-5

1. अधोलिखितम् अनुच्छेदम् पठित्वा प्रश्नानाम् उत्तराणि प्रदत्तस्थानेषु लिखत-

'दीपावली' नामक पर्वणः भारते अतीव महत्त्वम् अस्ति । श्रूयते यत् अस्मिन् दिने त्रेतायुगे मर्यादापुरुषोत्तमः श्रीरामचन्द्रः पितुः आज्ञां परिपालयन् चतुर्दशवर्षपर्यन्तं वने उषित्वा राक्षसराजं रावणं हत्वा तस्य बन्धनात् स्वपत्नीं सीतां च विमोच्य, सीतया लक्ष्मणेन च सहितः अयोध्यां नगरीं निवृत्तः आसीत् । ततः प्रभृति सर्वैः भारतीयैः अस्मिन्नेव दिने प्रतिवर्षं स्वगृहेषु दीपमाला क्रियते । दीपावलीमहोत्सवे रात्रौ श्रीमहालक्ष्मीपूजनं क्रियते । स्थाने-स्थाने वैदिकमन्त्रैः हवनयज्ञादिकम् अपि अनुष्ठीयते । बहवो वणिजः अस्माद् दिनाद् 'बही-खाताम्' आरम्भं कुर्वन्ति । कार्तिकमासस्य अमावस्यायां दीपावलीमहोत्सवः भवति । अस्मिन् दिने गृहाणां विशेषतः शुद्धिः सुधाधवलिता च क्रियते । गृहाणि नववधूरिव भासन्ते । यत्र-यत्र शोभा, तत्र-तत्र महालक्ष्मीदेव्याः आगमनं भवति, इति मन्यते ।

I. एकपदेन उत्तरत-

(i) कस्मिन् युगे श्रीरामचन्द्रः अभवत्?

उत्तरम्

(ii) तस्मिन् दिने गृहाणि कीदृशानि भासन्ते?

उत्तरम्

II. पूर्णवाक्येन उत्तरत-

(i) दीपावलीविषये किम् श्रूयते?

उत्तरम्

(ii) अस्मिन् दिने स्थाने-स्थाने किं भवति वणिजः च किं कुर्वन्ति?

उत्तरम्

III. भाषिककार्यम्-

(i) 'निशायाम्' इति पदस्य कः पर्यायः अनुच्छेदे प्रयुक्तः?

(क) महत्त्वम् (ख) दिवसे (ग) अस्मिन् (घ) रात्रौ

उत्तरम्

(ii) 'निवृत्तः आसीत्' इति क्रियायाः कर्तृपदं किम्?

(क) श्रीरामचन्द्रः (ख) दीपावली (ग) गृहम् (घ) शोभा

उत्तरम्

(iii) 'वणिजः' शब्दस्य अनुच्छेदे विशेषणं किम्?

(क) विशेषतः (ख) आगमनम् (ग) बहवो/बहवः (घ) मन्यते

उत्तरम्

(iv) 'प्रत्यागतः' अस्य पदस्य कृते किं पदम् अनुच्छेदे प्रयुक्तम्?

(क) अस्ति (ख) कुर्वन्ति (ग) पूजनम् (घ) निवृत्तः आसीत्

उत्तरम्

IV. अस्य गद्यांशस्य कृते समुचितं शीर्षकं लिखत ।

उत्तरम्

2. अधोलिखितान् गद्यांशान् पठित्वा प्रश्नानाम् उत्तराणि लिखत-

को न जानाति कवीन्द्ररवीन्द्रस्य नाम । सः न केवलं बङ्गप्रदेशस्य अपितु विश्वस्य प्रसिद्धः कविः असीत् । अनेन विरचितः 'गीताञ्जलिः' इति कवितासङ्ग्रहः अतिप्रसिद्धः । अस्य कवितासङ्ग्रहस्य कृते कविरेषः परमसम्मानितं नोबेलपुरस्कारं प्राप्तवान् । अस्माकं राष्ट्रियगानस्य रचयिता अपि रवीन्द्रः एव । महापुरुषोऽयं विश्वभारतीनामकं विश्वविद्यालयम् अपि अस्थापयत् । एतादृशानां महापुरुषाणां जन्मदात्री भारतभूमिः वस्तुतः धन्या एव ।

I. एकपदेन उत्तरत-

(i) गीताञ्जलिः केन विरचिता?

उत्तरम्

(ii) कविरवीन्द्रः कस्य प्रदेशस्य कविः?

उत्तरम्

II. पूर्णवाक्येन उत्तरत-

(i) का वस्तुतः धन्या एव?

उत्तरम्

(ii) कविरवीन्द्रः किमर्थं नोबेलपुरस्कारं प्राप्तवान्?

उत्तरम्

III. प्रदत्तविकल्पेभ्यः उचितम् उत्तरं चित्वा लिखत-

(i) 'प्राप्तवान्' इति क्रियापदस्य किं कर्तृपदम् अनुच्छेदे प्रयुक्तम्?

(क) अस्य

(ख) कविः

(ग) पुरस्कारम्

(घ) प्रसिद्धः

उत्तरम्

(ii) 'अनेन' इति सर्वनामपदं कस्मै प्रयुक्तम्?

(क) सङ्ग्रहाय

(ख) प्रदेशाय

(ग) रवीन्द्राय

(घ) विश्वाय

उत्तरम्

(iii) 'स्थापितवान्' इत्यर्थे अनुच्छेदे किं पदं प्रयुक्तम्?

(क) प्राप्तवान्

(ख) अस्थापयत्

(ग) प्रसिद्धः

(घ) सङ्ग्रहः

उत्तरम्

(iv) 'सः न कविः' - अत्र कवेः विशेषणपदं किम्?

(क) विश्वस्य

(ख) वंगः

(ग) केवलम्

(घ) प्रसिद्धः

उत्तरम्

IV. अस्य अनुच्छेदस्य कृते समुचितं शीर्षकं संस्कृतेन लिखत ।

उत्तरम्