BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR-5 DWARKA NEW DELHI-110075

SUMMER ASSIGNMENT
CLASS IX (2025-26)

SUBJECT	WEEK
SOCIAL SCIENCE	FIRST
SCIENCE	SECOND
ENGLISH AND ART	THIRD
MATHEMATICS	FOURTH
HINDI/SANSKRIT/FRENCH	FIFTH

NOTE-

DEAR CHILDREN,

IT IS MANDATORY FOR ALL TO DO SUMMER INTERNSHIP.

LINKS FOR FEW INTERNSHIPS ARE ALREADY SHARED WITH YOU EARLIER.

BGS INTERNATIONAL PUBLIC SCHOOL

SECTOR 5, DWARKA NEW DELHI

SOCIAL SCIENCE SUMMER ASSIGNMENT

WEEK :FIRST

CLASS IX (2025-26)

05 Marks

1. Every student has to compulsorily undertake any one project on the following topics from disaster management:

Choose any man made or natural disaster which your country is vulnerable to.e.g.gas leaks, building collapse, rail or road accidents, terrorist attacks, earthquakes, cyclones,floods ,drought etc. .and prepare a detailed project on it covering the following aspects in your project :

- **Meaning of Disaster, Hazard, Difference bet Hazard and Disaster, Disaster Management and the various causes and mitigation measures of the disaster chosen by you.**
- **Your project should be supported by the map of the area affected by the disaster and relevant and suitable photographs and paper cuttings.**
- **Collect the data and prepare report on any one of the recent disaster that has taken place in your country (last 2 years).**
- **Design a poster using A4 size sheet with an eye catching slogan to create awareness among people related to that disaster.**
- **Define the role of citizens, government, NGO during that disaster.**
- **Define the role of government agencies during disasters.**
- **Being a student of BGSIPS, what precautions should you take in making people aware of the disaster**

The project must be based on the guidelines mentioned by CBSE. For the guidelines refer to the CBSE website.

2. Objective:

The main objectives of giving project work on Disaster Management to the students are to:

a. create awareness in them about different disasters, their consequences and management

b. prepare them in advance to face such situations

c. ensure their participation in disaster mitigation plans

d. enable them to create awareness and preparedness among the community.

If possible, different forms of art may be integrated in the project work. The file designing, the slogan writing are part of art integration.

FLOW OF THE PROJECT

1. ACKNOWLEDGEMENT
2. CERTIFICATE
3. INDEX
4. CONTENT
   - ❖ Introduction of the topic
   - ❖ Various subtopics
5. CONCLUSION
6. POSTER
7. BIBLIOGRAPHY
8. TEACHER'S REMARKS

ACKNOWLEDGEMENT

I wish to express my deep gratitude and sincere thanks to the Principal Ms. Punam Gupta for her support and encouragement.

This project would not have been successfully completed without proper and rigorous guidance of my Social Science teachers Ms. Sona Singh, Ms. Abha Kumar ,Ms.Asmita Sen & Ms.Sakshi Virmani who guided me throughout this project in every possible way.

Name & Signature of the Student

Class: Section:

BGS INTERNATIONAL PUBLIC SCHOOL

SECTOR- 5, DWARKA, NEW DELHI -75

CERTIFICATE

This is to certify that.....
of Class IX (2025-26) Roll Number.....has worked under my guidance on the project.....

It is an original piece of work to the best of my knowledge.

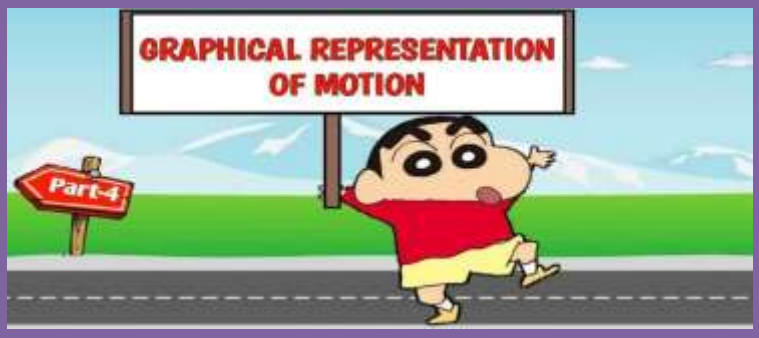
Teacher – In -Charge SOCIAL SCIENCE

PHYSICS SUMMER ASSIGNMENT

1. **Students will go from one corner of their living room to the opposite corner by different routes possible. They will measure the distance traveled with a measuring tape. Now students will measure the length of diagonal of the living room and note their observation. They can try same in other rooms also.**

   Observations to be recorded in Physics notebook on a coloured sheet. Click your picture also while doing this activity and paste it.

2.



Represent Distance-time and velocity-time graphs on A4 size-coloured sheets.

You cannot Use pen or pencil to draw the graphs.

Use your creativity to display the graph with different materials (like cotton matchstick, Ice cream stick, Pulses etc or any other material you can think of).

Cover page should have name of the student, class and roll Number and topic.

2. Newton's law of motion are an inherent property of our everyday life. Starting from the beginning of the day, till the end, Newton's law finds their application in a number of activities we do.

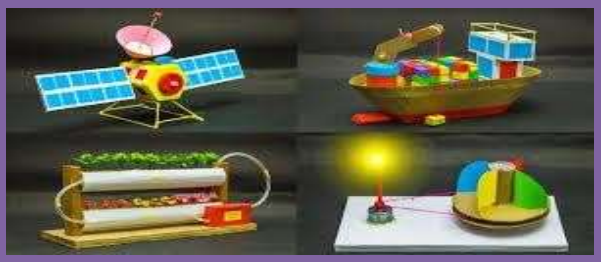
Make a project report on coloured A4 size sheet, giving examples, showing applicability of these laws in everyday life situations. Think in reference to walking, playing, driving, etc, Also paste preferably real life relevant pictures of yours or surroundings.

Project report should have following:

Cover page having Name of the student, Class, section, roll no and topic.

Acknowledgement, Phenomena with explanation and pictures, Conclusion.

3.Working Model or Prototype on any one of the following themes



(Roll numbers 1-12 of all sections)

a) Environmental concerns

b) Transport and Innovation

c) Eco-friendly Materials

d) Health and Technology

4. Write the following experiments in your Practical Physics File

1. Verification of the law of reflection of sound.

2.Determination of the density of solid by using a spring balance and a measuring cylinder

3.Establishing the relation between the loss in weight of a solid when fully immersed in

a) Tap water, b) strongly salty water.

Determination of the speed of a pulse propagated through a stretched string/slinky.

Summer assignment (Biology)
Class: IX
Session: 2025-26

1. **Make posters** on the following topics.
    - My planet is precious and I will save it. (Roll no.- 1-10)
    - Say No to plastic. (Roll no.- 11-20)
    - Healthy ecosystems promote healthy life. (Roll no.- 21-30)
    - Go green (Roll no. 31-38)

    Students to use A3 size sheet to make the poster. Do use poster colours.

2. Make a **power point presentation** on any one topic (as per your roll number) in the given format. **Send it to samikshyabgsix2020@gmail.com .**

    - Agricultural innovation to help combat climatic change (Roll no.- 1-20)
    - Artificial intelligence for environmental monitoring, and conservation (Roll no.- 21-38)

Note: **Cover page** must have the Name of the topic, Name of the student, Class & Section, Roll number.
Pg2. **Introduction**, Pg3 onwards. **Content with relevant pictures** (minimum **15 slides**), Last page. **Conclusion**}
.

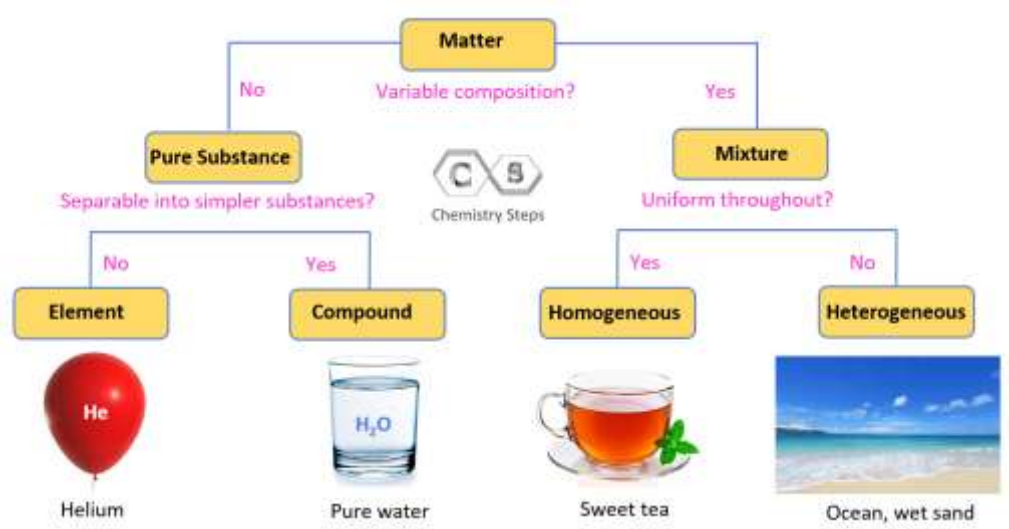
3. **Make a working model.**

    - Transportation of water through xylem in plants. (Roll no.- 26-29)
    - Transportation of food through Phloem in plants. (Roll no. 30-33)
    - Transmission of nerve impulse in a human body. (Roll no. 34-38)

4. **Make a short film or video on harmful effect of plastic on our environment.**

Summer Assignment (Chemistry)

1. Collect various pictures of elements, mixtures, and compounds found in our daily. Make a poster with the pictures; label the elements, mixtures (heterogenous and homogenous) and compounds.
The poster is to be made on A3 size paper.



2. MODEL MAKING: (Preferably make a working model)
(ROLL NUMBERS 13-25)

Make a model on any one of the following themes:

- **Agriculture**
- **Health**

3. Study the first chapter thoroughly from NCERT Text Book and practice questions from NCERT Exemplar.

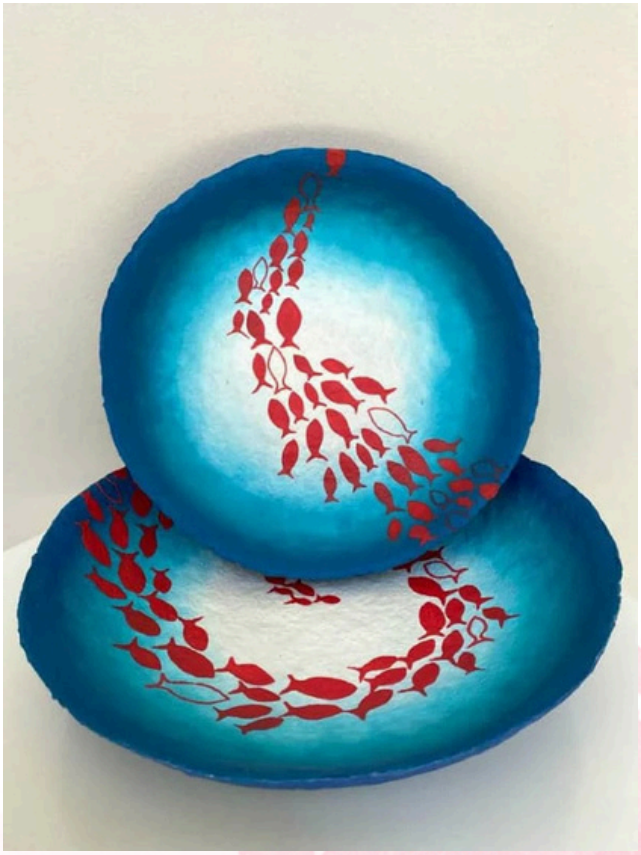
4. Write down the remaining practicals from the Lab Manual. (Leave out Observation and Inference)

5. Make a Power Point presentation on <u>any two subtopics</u> from <u>any one of the following chapters</u>:

- **Matter In Our Surroundings**
- **Is Matter Around Us Pure (You will present it in class)**

ART Assignment

CLASS IX



PAPER MACHE -
SECTION A,B,C & D

Students have to make any one object from the following using paper mache and decorate it .

Bowl , Plate , Tray , Glass etc.

Materials Required

1. Plate/ bowl/ balloon/ tray etc.
2. Newspaper and white paper.
3. Fevicol / Lai.
4. Water
5. Poster colours / Acrylic colours.

Steps

1. You can take any object like tray , plate, balloon, bowl etc.
2. Do the first layer of the object from the pieces of newspaper. with water only.
3. Now from 2nd - 6th layer should be with pieces of newspaper diluted fevicol or lai only.
4. Last 7th layer should be with white sheet only nd with diluted. fevicol or lai only.
5. Keep it dry for 4-5 hrs.
6. When it drys the paper mache would come out by its own .
7. Now give the finishing of the edges with scissors.
8. In the last do any colour of your choice and decorate it.

BOTTLE DECORATION - SECTION A

Students need to decorate a bottle preferably a glass bottle using colours , jute and other various decorative items .

ROCK PAINTING - SECTION B

Students need to decorate a pair of rock using different colours and decorative items and also use acrylic colours

WALL HANGING - SECTION C

Students need to make wall hangings using waste material such as plastic bottles , jute , artificial leaves etc.

SEA SHELL DECORATION - SECTION D

Students need to make one craft using different types of sea shells . For eg.- wall hanging , photo frame etc.

Subject- English

1) **Depict any one of the following poems from LITERATURE READER in a creative manner as an artistic representation.**

1. The Road Not Taken
2. The Brook

How to do Use your imagination to convert the poem in an artistic representation i.e collage making with pictures from magazine or newspapers to be presented in the class. The presentation should be self- explanatory.

Where to do A3 Size sheets

Parameters for Assessment Relevance to content, creativity and presentation

2) **Design your own newspaper**

How to do The newspaper should have three sections

1. Facts and figures of English language
2. Quotes- By famous poets with their names
3. Games & Puzzle- based on tenses, verbs, prepositions or conjunctions. (Any one) For example Snakes & Ladder on prepositions.

Where to do A3 Size sheets (3 pages)

Parameters for Assessment Quality of content, originality and presentation

3) **Read any one novel of your choice and write the review**

How to do The review is to be written in 250-300 words keeping in mind the given aspects:

- About the Writer
- Summary
- Favourite character
- Analysis

Where to do A4 Size sheets

Parameters for Assessment Content, language and accuracy

4) **Complete the WRITING SKILLS in MCB. UNIT 1 – PEOPLE.**

Where to do - Do it in English notebook.

Parameters for Assessment Content, language and accuracy

Maths Summer Assignment (2025-26)
Class IX

INSTRUCTIONS:

1. DO THE ACTIVITIES 4, 5 & 6 ON A4-SIZE COLOURED SHEET, ONE SIDE BLANK AND OTHER SIDE RULED. PASTE GRAPHS ON BLANK SIDE.

2. SOLVE THE ATTACHED ASSIGNMENT IN YOUR ASSIGNMENT REGISTER.

Activity - 4

Graph of $x = a$

Q1) Draw the graph or geometric representation of :-

$3x + 2 = x - 8$ as an equation

i) in one variable

ii) in 2 variable

Soln : As an eq in 1 variable

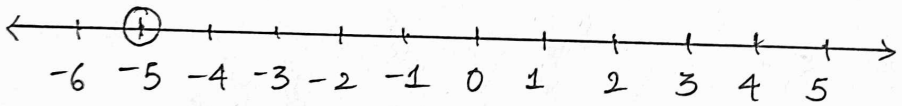
i) $3x + 2 = x - 8$

$3x - x = -8 - 2$

$2x = -10$

$x = -5$ or $x + 5 = 0$

Graph on no. line is → $x = -5$



ii) $x = -5$ or $x + 5 = 0$

as an equation in 2 variables can be written as

$1 \cdot x + 0 \cdot y + 5 = 0$

$x = -5 - 0 \cdot y$

x	-5	-5	-5
y	1	2	3

$y = 1$, $x = -5 - 0 \times 1 = -5$

$y = 2$, $x = -5 - 0 \times 2 = -5$

$y = 3$, $x = -5 - 0 \times 3 = -5$

Plot the points and paste graph (Backside of A-4 size sheet)

Activity - 5

Graph of $y = b$

Q2) Draw the graph or geometrical representation of :-

$2y + 3 = 3y - 5$ as an equation

i) in one variable

ii) in 2 variable

Soln: i) As an equation in one variable

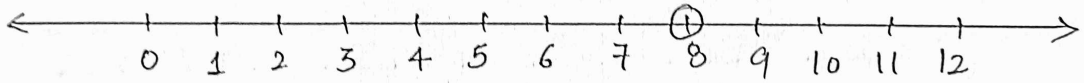
$$2y + 3 = 3y - 5$$

$$2y - 3y = -5 - 3$$

$$-y = -8$$

$$y = 8 \quad \text{or} \quad y - 8 = 0$$

Graph on no. line is $\rightarrow y = 8$



ii) $y = 8$ or $y - 8 = 0$ as an equation in 2 variables can be written as:

$$0.x + 1.y - 8 = 0$$

$$y = 8 - 0.x$$

$x = 1$, $y = 8 - 0 \times 1 = 8$

$x = 2$, $y = 8 - 0 \times 2 = 8$

$x = 3$, $y = 8 - 0 \times 3 = 8$

x	1	2	3
y	8	8	8

Plot the points and paste graph (Backside of A-4 size sheet)

Activity - 6

Graph of $x = y$

Q3) Draw the graph of the equation $y = x$

$y = x$

If, $x = 0$, $y = 0$

$x = 1$, $y = 1$

$x = -1$, $y = -1$

$x = -2$, $y = -2$

x	0	1	-1	-2
y	0	1	-1	-2

Plot the points and paste graph

Assignment

Multiple Choice Questions

Choose the correct answer from the given four options (3 to 44):

3. The smallest natural number is
   (*a*) −1 (*b*) 0 (*c*) 1 (*d*) 2
4. The smallest whole number is
   (*a*) −1 (*b*) 0 (*c*) 1 (*d*) 2
5. Choose the wrong statement:
   (*a*) There is no largest natural number.
   (*b*) There is no largest integer. (*c*) There is no smallest integer.
   (*d*) The collection of rational numbers has largest as well as smallest.
6. Choose the wrong statement:
   (*a*) Every natural number is a whole number.
   (*b*) Every integer is a rational number.
   (*c*) Every rational number is an integer.
   (*d*) Every rational number is a real number.
7. Every rational number is
   (*a*) a natural number (*b*) an integer
   (*c*) a real number (*d*) a whole number
8. Between two rational numbers
   (*a*) there is no rational number
   (*b*) there is exactly one rational number
   (*c*) there are infinitely many rational numbers
   (*d*) there are only rational numbers and no irrational numbers.
9. Decimal representation of a rational number cannot be
   (*a*) terminating (*b*) non-terminating
   (*c*) non-terminating repeating (*d*) non-terminating non-repeating

10. The product of any two irrational numbers is
(a) always an irrational number (b) always a rational number
(c) always an integer
(d) sometimes rational, sometimes irrational

11. The decimal expansion of the number $\sqrt{2}$ is
(a) a finite decimal (b) 1.41421
(c) non-terminating recurring (d) non-terminating non-recurring

12. Which of the following is an irrational number?
(a) $\sqrt{\frac{4}{9}}$ (b) $\frac{\sqrt{12}}{\sqrt{3}}$ (c) $\sqrt{7}$ (d) $\sqrt{81}$

13. Which of the following is not a rational number?
(a) $\sqrt{2}$ (b) $\sqrt{4}$ (c) $\sqrt{9}$ (d) $\sqrt{25}$

14. Which of the following is an irrational number?
(a) $\sqrt{\frac{9}{25}}$ (b) $\sqrt{\frac{2}{8}}$ (c) $\sqrt{\frac{4}{27}}$ (d) $\sqrt{\frac{9}{49}}$

15. Which of the following is different from others?
(a) $\sqrt{7}$ (b) $\sqrt{8}$ (c) $\sqrt{9}$ (d) $\sqrt{10}$

16. A rational number between $\frac{1}{2}$ and $\frac{1}{3}$ is
(a) $\frac{1}{5}$ (b) $\frac{2}{5}$ (c) $\frac{3}{5}$ (d) $\frac{4}{5}$

17. The number of rational numbers between the rational numbers $\frac{1}{3}$ and $\frac{1}{2}$ is
(a) 1 (b) 2 (c) 6 (d) infinitely many.

18. Choose the rational number which does not lie between the rational numbers $-\frac{2}{5}$ and $-\frac{1}{5}$.
(a) $-\frac{3}{10}$ (b) $\frac{3}{10}$ (c) $-\frac{1}{4}$ (d) $-\frac{7}{20}$

19. Which of the following numbers has terminating decimal representation?
(a) $\frac{3}{7}$ (b) $\frac{3}{5}$ (c) $\frac{1}{3}$ (d) $\frac{3}{11}$

20. Which of the following is an irrational number?
(a) 0.14 (b) $0.14\overline{16}$ (c) $0.\overline{1416}$ (d) 0.4014001400014...

21. Which of the following is an irrational number?
(a) 3.758 (b) 3.1010010001...
(c) $3.\overline{23789}$ (d) 37.56489125648912...

22. Choose a rational number which does not lie between $\frac{2}{5}$ and $\frac{3}{4}$.
(a) $\frac{17}{20}$ (b) $\frac{13}{20}$ (c) $\frac{11}{20}$ (d) $\frac{9}{20}$

23. An irrational number between 2 and 3 is
(a) $\sqrt{2}$ (b) $\sqrt{3}$ (c) $\sqrt{6}$ (d) $\sqrt{12}$

24. A rational number between $\sqrt{2}$ and $\sqrt{3}$ is
(a) $\frac{\sqrt{2}+\sqrt{3}}{2}$ (b) $\frac{\sqrt{2}\times\sqrt{3}}{2}$ (c) 1.5 (d) 1.8

25. The value of 1.999 in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$, is

(a) $\frac{19}{20}$ (b) $\frac{1999}{1000}$ (c) 2 (d) $\frac{1}{9}$

26. The number $0.\overline{25}$ is equal to

(a) $\frac{65}{99}$ (b) $\frac{37}{99}$ (c) $\frac{5}{9}$ (d) $\frac{25}{99}$

27. The number $0.\overline{27}$ is equal to

(a) $\frac{2}{11}$ (b) $\frac{3}{11}$ (c) $\frac{4}{11}$ (d) $\frac{5}{11}$.

28. $\sqrt{10} \times \sqrt{15}$ is equal to

(a) $6\sqrt{5}$ (b) $5\sqrt{6}$ (c) $\sqrt{25}$ (d) $10\sqrt{5}$

29. $2\sqrt{3} + \sqrt{3}$ is equal to

(a) $2\sqrt{6}$ (b) 6 (c) $3\sqrt{3}$ (d) $4\sqrt{6}$

30. The value of $\sqrt{8} + \sqrt{18}$ is

(a) $\sqrt{26}$ (b) $2(\sqrt{2} + \sqrt{3})$ (c) $5\sqrt{2}$ (d) $6\sqrt{2}$

31. The number $(2 - \sqrt{3})^2$ is

(a) a natural number (b) an integer
(c) a rational number (d) an irrational number

32. The rationalising factor of $\frac{1}{5 + 2\sqrt{6}}$ is

(a) $\sqrt{5} + 2\sqrt{6}$ (b) $-\sqrt{5} + 2\sqrt{6}$ (c) $5 - 2\sqrt{6}$ (d) $-5 - 2\sqrt{6}$

33. The value of $\frac{\sqrt{32} + \sqrt{48}}{\sqrt{8} + \sqrt{12}}$ is equal to

(a) $\sqrt{2}$ (b) 2 (c) 4 (d) 8

34. The number obtained on rationalising the denominator of $\frac{1}{\sqrt{7} - 2}$ is

(a) $\frac{\sqrt{7} + 2}{3}$ (b) $\frac{\sqrt{7} - 2}{3}$ (c) $\frac{\sqrt{7} + 2}{5}$ (d) $\frac{\sqrt{7} + 2}{45}$

35. $\frac{1}{\sqrt{9} - \sqrt{8}}$ is equal to

(a) $\frac{1}{2}(3 - 2\sqrt{2})$ (b) $\frac{1}{3 + 2\sqrt{2}}$ (c) $3 - 2\sqrt{2}$ (d) $3 + 2\sqrt{2}$

36. After rationalising the denominator of $\frac{7}{3\sqrt{3} - 2\sqrt{2}}$, we get the denominator as

(a) 13 (b) 19 (c) 5 (d) 35

37. If $x = \frac{1}{3 + 2\sqrt{2}}$, then the value of $x - \frac{1}{x}$ is

(a) 6 (b) -6 (c) $4\sqrt{2}$ (d) $-4\sqrt{2}$

38. If $\sqrt{2} = 1.4142$, then $\sqrt{\frac{\sqrt{2} - 1}{\sqrt{2} + 1}}$ is equal to

(a) 2.4142 (b) 5.8284 (c) 0.4142 (d) 0.1718

39. $\sqrt[4]{\sqrt[3]{2^2}}$ is equal to

(a) $2^{-\frac{1}{6}}$ (b) 2^{-6} (c) $2^{\frac{1}{6}}$ (d) 2^6

40. The product $\sqrt[3]{2}.\sqrt[4]{2}.\sqrt[12]{32}$ equals

(a) $\sqrt{2}$ (b) 2 (c) $\sqrt[12]{2}$ (d) $\sqrt[12]{32}$

41. The value of $\sqrt[4]{(81)^{-2}}$ is

(a) $\frac{1}{9}$ (b) $\frac{1}{3}$ (c) 9 (d) $\frac{1}{81}$

42. The value of $\left(5\frac{1}{16}\right)^{-\frac{3}{4}}$ is

(a) $\frac{4}{9}$ (b) $\frac{9}{4}$ (c) $\frac{27}{8}$ (d) $\frac{8}{27}$

43. Value of $(256)^{0.16} \times (256)^{0.09}$ is

(a) 4 (b) 16 (c) 64 (d) 256.25

44. Which of the following is equal to x?

(a) $x^{\frac{12}{7}} - x^{\frac{5}{7}}$ (b) $\sqrt[12]{(x^4)^{\frac{1}{3}}}$ (c) $(\sqrt{x^3})^{\frac{2}{3}}$ (d) $x^{\frac{12}{7}} \times x^{\frac{7}{12}}$

Multiple Choice Questions

Choose the correct answer from the given four options (3 to 13) :

3. An isosceles right triangle has area 8 cm^2. The length of its hypotenuse is

   (*a*) $\sqrt{32}$ cm (*b*) $\sqrt{16}$ cm (*c*) $\sqrt{48}$ cm (*d*) $\sqrt{24}$ cm

4. If the perimeter of an equilateral triangle is 60 m, then the area is

   (*a*) $10\sqrt{3}$ m^2 (*b*) $15\sqrt{3}$ m^2 (*c*) $20\sqrt{3}$ m^2 (*d*) $100\sqrt{3}$ m^2

5. The length of each side of an equilateral triangle having area of $9\sqrt{3}$ cm^2 is

   (*a*) 8 cm (*b*) 36 cm (*c*) 4 cm (*d*) 6 cm

6. If the area of equilateral triangle is $16\sqrt{3}$ cm^2, then the perimeter of the triangle is

   (*a*) 48 cm (*b*) 24 cm (*c*) 12 cm (*d*) 36 cm

7. If the sides of a parallelogram are 9 cm and 4 cm, then the ratio of their corresponding altitudes is

   (*a*) 2 : 3 (*b*) 3 : 2 (*c*) 9 : 4 (*d*) 4 : 9

8. If the perimeter of a rhombus is 80 cm and one of its diagonals is 24 cm, then the length of the other diagonal is

   (*a*) 16 cm (*b*) 20 cm (*c*) 32 cm (*d*) 48 cm

9. If the sides of a triangle are 56 cm, 60 cm and 52 cm long, then the area of the triangle is

   (*a*) 1322 cm^2 (*b*) 1311 cm^2 (*c*) 1344 cm^2 (*d*) 1392 cm^2

10. The area of an isosceles triangle having base 2 cm and length of one of equal sides 4 cm is

    (*a*) $\sqrt{15}$ cm^2 (*b*) $\sqrt{\frac{15}{2}}$ cm^2 (*c*) $2\sqrt{15}$ cm^2 (*d*) $4\sqrt{15}$ cm^2

11. The edges of a triangular board are 6 cm, 8 cm and 10 cm. The cost of painting it at the rate of 9 paise per cm^2 is

    (*a*) ₹ 2.00 (*b*) ₹ 2.16 (*c*) ₹ 2.48 (*d*) ₹ 3.00

12. Two adjacent sides of a parallelogram are 9 cm and 8 cm. If one of its diagonal is 13 cm, then its area is

    (*a*) $24\sqrt{35}$ cm^2 (*b*) $12\sqrt{35}$ cm^2 (*c*) $6\sqrt{35}$ cm^2 (*d*) 150 cm^2

13. The sides of a triangle are 35 cm, 54 cm and 61 cm. The length of its longest altitude is

    (*a*) $16\sqrt{5}$ cm (*b*) $10\sqrt{5}$ cm (*c*) $24\sqrt{5}$ cm (*d*) 28 cm

Very Short Answer Questions

1. State whether the following statements are true or false. If a statement is false, write the corresponding correct statement.
   (*i*) The coordinates of any point on the x-axis is of the form $(0, k)$ where k is a real number.
   (*ii*) The coordinates of any point on the y-axis is of the form $(b, 0)$ where b is a real number.
   (*iii*) A point lies in the IInd quadrant if its abscissa is positive and ordinate is negative.
2. If $(a, b) = (0, -2)$, then find the values of a and b.
3. Write the coordinates of the point whose ordinate is $-\frac{3}{2}$ and abscissa is 5.
4. Write the coordinates of the point whose ordinate is -3 and which lies on y-axis.
5. Write the coordinates of the point which lies on x-axis and is at a distance of 4 units in the negative direction of x-axis.
6. Write the coordinates of any two points lying on the negative direction of x-axis.
7. Write the ordinates of the following points:
   $(3, 4), (4, 0), (0, 4), (5, -3)$
8. In which quadrant does the point $(-2, 3)$ lie?
9. Write the coordinates of the points which lie on the x-axis and are at a distance of 3 units from the y-axis.
10. Find the reflection of the point $(-3, -2)$ in the y-axis.

Objective Questions

1. Fill in the blanks :
   (*i*) The point of intersection of the coordinate axes is called the ..... .
   (*ii*) The coordinate axes divide the plane into four parts which are called ..... .
   (*iii*) The coordinates of the origin are ..... .
   (*iv*) If the coordinates of a point are $(-3, 7)$, then its ordinate is ..... and its abscissa is ..... .
   (*v*) The point $(3, -2)$ lies in the ..... quadrant.
   (*vi*) The abscissa of any point on the y-axis is ..... .
   (*vii*) The ordinate of any point on the x-axis is ..... .
   (*viii*) The (directed) distance of a point from the y-axis is called its ..... .
   (*ix*) The (directed) distance of a point from the x-axis is called its ..... .
   (*x*) If the ordinate of a point is 3 and abscissa is -5, then its coordinates are ..... .
   (*xi*) The points with coordinates $(5, -2)$ and $(-2, 5)$ are at ..... positions of the coordinate plane.

Multiple Choice Questions

Choose the correct answer from the given four options (3 to 19):

3. Point (−3, 5) lies in the

(*a*) first quadrant (*b*) second quadrant (*c*) third quadrant (*d*) fourth quadrant

4. Point (0, −7) lies

(*a*) on the x-axis (*b*) in the second quadrant

(*c*) on the y-axis (*d*) in the fourth quadrant

5. Point (−10, 0) lies

(*a*) on the negative direction of x-axis (*b*) in the third quadrant

(*c*) on the negative direction of y-axis (*d*) in the fourth quadrant

6. Signs of abscissa and ordinate of a point in the second quadrant are respectively

(*a*) +, + (*b*) −, − (*c*) −, + (*d*) +, −

7. Abscissa of a point is positive in

(*a*) I and II quadrants (*b*) I and IV quadrants

(*c*) I quadrant only (*d*) II quadrant only

8. Which of the following points lies in the IVth quadrant?

(*a*) (−2, 0) (*b*) (−3, 2) (*c*) (4, −7) (*d*) (−3, −5)

9. Which of the following points lies on the y-axis?

(*a*) (0, −7) (*b*) (−7, 0) (*c*) (2.7, 0) (*d*) (−1, 3)

10. The point which lies on y-axis at a distance of 5 units in the negative direction of y-axis is

(*a*) (0, 5) (*b*) (5, 0) (*c*) (0, −5) (*d*) (−5, 0)

11. If the perpendicular distance of a point P from the x-axis is 5 units and the foot of perpendicular lies on the negative direction of x-axis, then the point P has

(*a*) x-coordinate = −5 (*b*) y-coordinate = 5 only

(*c*) y-coordinate = −5 only (*d*) y-coordinate = 5 or −5

12. The points whose abscissa and ordinate have different signs will lie in

(*a*) I and II quadrants (*b*) II and III quadrants

(*c*) I and III quadrants (*d*) II and IV quadrants

13. The points (−5, 2) and (2, −5) lie in

(*a*) same quadrant (*b*) II and III quadrants respectively

(*c*) II and IV quadrants respectively (*d*) IV and II quadrants respectively

14. Points (1, −1), (2, −2), (4, −5), (−3, −4)

(*a*) lie in IInd quadrant (*b*) lie in III quadrant

(*c*) lie in IV quadrant (*d*) do not lie in the same quadrant

15. If the coordinates of the points are P(−2, 3) and Q(−3, 5), then (abscissa of P) − (abscissa of Q) is

(*a*) −5 (*b*) 1 (*c*) −1 (*d*) −2

16. If P(−1, 1), Q(3, −4), R(1, −1), S(−2, −3) and T(−4, 4) are plotted on the graph paper, then point(s) in the fourth quadrant are

(*a*) P and T (*b*) Q and R (*c*) S only (*d*) P and R

हिंदी
कक्षा–नौवीं
ग्रीष्मावकाश कार्य

1. एवरेस्ट की चोटी पर चढ़ाई में प्रयोग करने वाले साधनों,आने वाली कठिनाइयों के विषयों में तथा बचेंद्री पाल, तेनजिंग नॉरगे,वर्तमान में अरुणिमा,अनीता कुंडू के विषय में लिख कर आकर्षक फ़ोल्डर तैयार कीजिए।

2. भक्तिकाल के सगुण और निर्गुण धारा के कवियों अथवा आधुनिक काल में छायावाद के चार प्रमुख कवियों का संक्षिप्त परिचय, चार्ट पेपर पर लिख कर सचित्र बनाएं ।

ग्रीष्मावकाशीय कार्याणि

विषय – संस्कृत

कार्यावधि–सप्ताहत्रयम्

निर्देशाः –

1 सभी छात्र अपनी नोटबुक में अस्मत्, युष्मत्, किम् हरि, साधु तथा नदी शब्दरूप लिखकर याद करेंगे।

2 सभी छात्र अपनी नोटबुक में अस्, कृ, इष्, दृश्, पा तथा गम् धातुरूप लिखकर याद करेंगे।

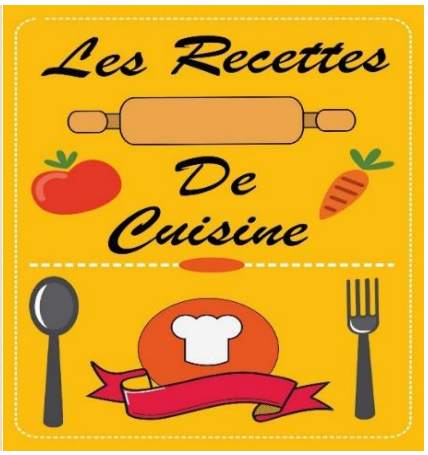
3 संस्कृत भाषा के वैज्ञानिक पक्ष पर एक सचित्र परियोजना तैयार कीजिए। इस कार्य के 10 अंक निर्धारित हैं।

4 संस्कृत में एक गीत या पाठ्यपुस्तक से 4 श्लोक याद कीजिए।

1. Prépare une bande dessinée dans votre cahier :

2. Prépare votre album de vacances (My Holiday Photo Album)
Task: Choose 5–7 holiday photos (real or from the internet) and write a short caption in French for each and write a few lines on that photo.
Example : Voici ma famille à la plage. Il fait beau….

3. Prépare votre livre de recettes françaises (French Recipe Booklet)
(😊 JUST ADD MAGIC)
Task: Choose 2–3 simple French dishes (e.g., crêpes, ratatouille, croque-monsieur).
Name of dish in French, Ingredients (in French, with quantities)
Steps (in simple French sentences)



4. Écris les verbes nominaux et le participe passé dans votre cahier. (30 verbes)
5. Écrivez les nombres de 1 à 100 en français dans votre cahier.
6. Écrivez 45 verbes irréguliers - er, ir, re (15 chacun) dans votre cahier.

BGS INTERNATIONAL PUBLIC SCHOOL
SECTOR-5, DWARKA
LA FEUILLE DE TRAVAIL

COMPREHENSION ÉCRITE

La musique est un langage qui n'a pas de frontières et souvent, on connaît et on apprécie certaines œuvres sans les associer avec un pays particulier. La musique occupe une place importante dans la vie des Français. Beaucoup de festivals d'été sont consacrés à la musique ou à l'opéra. Pour exprimer leur amour de la musique, une grande fête nationale est organisée chaque année. Cette fête estivale appelée.
« La Fête de la Musique » a lieu à travers le monde le 21 juin. Elle est imaginée en 1981 par Marcel Landowski et popularisée par Jack Lang, alors ministre de la Culture française et la première édition a lieu le 21 juin 1982. La Fête de la Musique est une grande manifestation gratuite, ouverte à tous les participants, amateurs ou professionnels. Elle permet à un public large d'accéder à des musiques de toutes sortes et origines (musique classique, jazz, rock, world musique etc.) La musique est un vecteur de communication universel. Cette Fête de la Musique s'est aujourd'hui complètement internationalisée. Elle s'est diffusée dans 110 pays sur les 5 continents. Les ambassades de France, les instituts et centres culturels français et les Alliances françaises ont contribué fortement au développement international de la Fête de la Musique. Aujourd'hui, elle est devenue une des grandes manifestations culturelles françaises.

1. **Répondez aux questions :**

   i. Pourquoi dit-on que « la musique n'a pas de frontières » ?
   ii. Nommez des musiques qu'on entend pendant la Fête de la Musique. Qui peut participer à la fête ?

2. **Dites vrai ou faux.**

   i. On peut apprécier la musique sans connaître le langage.
   ii. La Fête de la Musique n'est ouverte qu'aux musiciens.
   iii. Les Alliances françaises ont contribué à internationaliser la Fête de la Musique.

3. **Trouvez dans le texte.**

   i. Un mot pour « ensemble de la production d'un artiste ou d'un écrivain ».
   ii. Le nom de l'homme qui a établi la Fête de la Musique.
   iii. Un établissement où l'on peut apprendre la langue française.
   iv. Deux adjectifs
   v. Donnez le contraire des mots suivants du texte.

4. **Complétez l'histoire en choisissant parmi les mots donnés ci-dessous et récrivez :**

(Souvent/Appelés/Sortira/Depuis/Oublie/Flammes/Chantent/Attendent/ Chaque)

_____ quelques années, les grands incendies de forêt, également _____ « mégafeux », semblent se multiplier aux États-Unis, au Canada, en Australie, etc. En Europe aussi, _____ été, des forêts sont en partie dévastées par les _____. Pour la France, c'est _____ le sud du pays qui est concerné.

5. **Mettez le dialogue en ordre et récrivez :**

La cliente : Peut-être une belle tarte tatin. Elle est à combien ?
La cliente : Non, je voudrais aussi du dessert.
La cliente : Voilà l'argent.
La cliente : Non, je suis désolé, je n'ai qu'un billet de 100 €.
La cliente : Bonjour monsieur, je voudrais une baguette, s'il vous plaît et trois croissants.
La cliente : Je la prends. C'est combien au total ?
Le boulanger : Voilà madame. C'est tout ?
Le boulanger : Bonjour madame ! Je peux vous aider ?
Le boulanger : 20 €
Le boulanger : Qu'est-ce que vous préférez ? Une tarte, un gâteau au chocolat ?
Le boulanger : Vous n'avez pas la monnaie ?
Le boulanger : 15 €

GRAMMAIRE

1. **Complétez avec l'article défini (le, la, les, l').**

   a. _____ tableaux dans _____ chambre de Simone sont beaux.
   b. Je mets _____ clés dans _____ tiroir.
   c. _____ ordinateurs remplacent en grande partie _____ travail que _____ homme font.
   d. Chez _____ boulanger dans mon quartier, _____ croissants coûtent 3,70 € _____ kilo.
   e. Je sors _____ stylo de _____ trousse !

2. **Complétez avec l'article indéfini (un, une, des).**

   a. Nous achetons _____ fruits frais. Il y a aussi _____ légumes.
   b. Nous voulons _____ bouteille de jus d'orange et _____ brie.
   c. J'ai besoin d'_____ casserole et _____ ouvre-boîtes.
   d. Ce n'est pas _____ église, c'est _____ temple.
   e. Veux-tu _____ lecteur CD et _____ CDs ?

3. **Complétez avec le bon adjectif démonstratif.**

   a. _____ homme est très gentil.
   b. Je vais à _____ hôtel-ci, pas à _____ maison-la.
   c. J'aime _____ robe rouge.
   d. _____ livres sont intéressants.
   e. Tu préfères _____ ordinateur ou l'autre ?

4. **Complétez avec le bon adjectif possessif.**

   a. Je cherche _____ stylo.
   b. Nous avons oublié _____ devoirs.
   c. Marie adore _____ chat.
   d. Où est _____ frère, Paul ?
   e. Guillaume voyage avec _____ sœur et _____ parents.

5. Complétez avec la bonne préposition.

a. Il va _____ la bibliothèque.
b. Le livre est _____ la table.
c. Nous partons _____ nos amis.
d. Je rentre _____ moi après l'école.
e. _____ chance, elle a trouvé son téléphone.

6. Conjuguez le verbe entre parenthèses au présent.

a. Tu _____ (parler) bien français.
b. Nous _____ (finir) nos exercices.
c. Ils _____ (jouer) au football.
d. Je _____ (choisir) un film.
e. Toute le monde, vous _____ (réussir) aux examens.

7. Corrigez les erreurs d'accord.

a. Un fille heureux chante.
b. Les chaises blanc sont confortables.
c. Ma robe est joli.
d. Des garçons curieuse posent des questions.
e. Une voiture rapide sont garées devant la maison.

8. Mettez la phrase à la forme négative.

a. Il mange une pomme.
b. Nous regardons la télé.
c. Tu vas à l'école.
d. Elle lit un livre.

9. Trouvez la question ?

a. Je m'appelle Thomas.
b. Il habite à Paris.
c. Nous avons deux chiens.
d. Elle mange une pizza.

10. Complétez avec le bon nombre (en lettres).

a. J'ai _____ ans. (88)
b. Il y a _____ élèves dans la classe. (57)
c. Elle a acheté _____ pommes. (75)
d. Nous sommes _____ à table. (18)