## GANGA INTERNATIONAL SCHOOL
## HOLIDAY HOMEWORK-IX

### ENGLISH

1. Write an Acrostic Poem using your name on colourful A4 size paper.
2. Make detailed project on the following authors/poets on A4 size sheets and arrange it properly ina file.(Include life history, famous works, photographs etc.) Do according to your Roll number.

   Mulk Raj Anand       (Roll No. 1-9)
   Ruskin Bond        (Roll No.10-18)
   RK Laxman         (Roll No.19-27)
   Robert Frost        (Roll No. 28-36)
 William Wordsworth      (Roll No. 37-45)

3. Make a list of Twenty English proverbs and their meanings. Choose the theme according toyour Roll Number. Do on colourful A4 size sheet.

   Education         (Roll No. 1-9)
   Charity          (Roll No. 10-18)
   Honesty          (Roll No. 19-27)
   Time           (Roll No. 28-36)
   Friendship         (Roll No. 37-45)

4. Meet a person in your dream profession, interview him, ask about different adversities they faced and their experience. Also write your point of view after listening to them.
5. Now a days one of the most important discussions in every family is children's studies. Develop a humorous conversation among parents and children over the concern for studies.
6. Write article on the following topic with the help of the given points. ( on A4 size sheet)
Afforestation is the answer to Global Warming
 Plant trees and nurture them
Organisation of 'Van Mahotsav' in schools
 Use tree guards
 Ban cutting of green trees
 Nails/iron plates not to be used
 Create awareness camps
7. Write article on the following topic with the help of the given points. ( on A4 size sheet)
 Adult Education in India
India biggest democracy but majority illiterate
Main cause of superstition, ignorance, backwardness
Illiterates easily misled by politicians
Cannot benefit from modern technology—poor remain poor
Adult education for grown-ups, unable to go to school
Most of them farmers and factory workers
Enable them to read, write and calculate; vocational training
Night schools can be opened
Make it a mass movement
8. Make a beautiful collage on 'Environment'.
9. Make a poster on the theme 'Educate Girl Child' . (A3 size sheet)

10. Write stories on the following themes. (Write on A4 size papers in about 150- 200 words).
 a.'Every Drop Counts'       b. ' My Dream, My Life'

11.Make a collection of 25 inspirational thoughts. Submit the soft copy (in pen drive) to the concerned teacher.

12. Read a book of any Indian Writer in English Literature and write the book review.

13. Write character sketch of the Hero and Heroine of the story.

14.  Pick 50 difficult words from the book and write their English meanings from the dictionary.

15. Visit any monument of historical importance and write a report.

16. Write your experience in the form of a diary entry.

17. Write the historical importance of the monument.

18. Interview the foreign visitors there at the site and also paste photographs with them.

19. Write speech on the topic 'My Planet, My Responsibility'.

20. Read newspaper daily and paste twenty news from 'Sports andPolitics' each in a scrapbook.

21. Cut and paste 5 news about language in the scrapbook.

22. Compose a beautiful poem on 'Childhood'.

## MATHEMATICS

NOTE :Do all the questions: ( In a thin notebook)

1.Factorise:

a. $54x^2 + 42x^3 - 30x^4$

 b. $2x^2yz + 2xy^2z + 4xyz$

 c. $30xy - 12x + 10y - 4$

d. Regroup the terms and factorise: $z - 19 + 19xy - xyz$

e. $100x^2 - 80xy + 16y^2$

f. $16x4 - y^4$

g. $x^2 + 6x + 8$

h. $49y2 - 1$

i. $27x^3 - 21x^2 + 15x^4$

j. $ax^3y^2 + bx^2y^3 + cx^2y^2z$

k. $x - 9 + 9zy - xyz$

 l. $p^2 - 8p + 16$

m. $121x^2 + 44xy + 4y^2$

n. $54x^2 - 96y^2$


2.Solve using algebraic identities.

a.  What is the value of $x^2 + y^2 - 10$ at $x = 0$ and $y = 0$?

b.  Find the product of 9a, 4ab and -2a.

c.  Simplify $(a + b + c)(a + b - c)$.

d.  Using identities evaluate: 8.56 x 11.60.

e.  Using identities evaluate: $(99)^2$.

f.  Simplify $x(2x - 1) + 5$ and find its value at $x = -2$.

g.  Evaluate the value of $(95)^2$ using identities

3.  Solve
a.  Add: a + b + ab; b − c + bc and c + a + ac.
b. Verify the identity $(x + a)(x + b) = x^2 + (a + b)x + ab$ for a = 2, b = 3 and x = 4.
c. Find the volume of cuboid whose dimensions are $(x^2 − 2)$; (2x + 4) and (x - 3).
d. Write the terms and coefficients of $x^3 − xy + yz − xz$.
e. Simplify: (a + b +c)(a + b − c).
f.  Simplify the expression x(2x-1) + 5 and its value at x = -2.
g. Using suitable identities find $(xy + 3p)^2$.


4. Solve (Questions of mensuration)
a. The diagonals of a rhombus are 14 cm and 10 cm. Find the area of the rhombus.
b. A solid cylinder of radius 4 cm and height 21 cm is melted and re-shaped as a cuboid. If length and breadth of the cuboid are 16 cm and 11 cm respectively, find the height of the cuboid. (Assume $\pi$ = 22/7)
c.  Radius of two circular wheels is 18 cm and 12 cm, respectively. The wheels are connected as gear, so they rotate with each other. If the second wheel makes 900 revolutions, find the number of revolutions made by the first wheel.
d. Ajay is painting the following box. If he painted all surfaces except bottom side of the box, find the area of surface painted by him. (All measurements are in cm).
e.  The diagonal of following quadrilateral ABCD is 30 cm long, and length of perpendiculars dropped on diagonal are 15 cm and 15 cm. Find the area of quadrilateral.
f.   The one third part of a cylindrical vessel of radius 1 cm and height 42 cm is filled with water. Find the volume of water in the vessel. (Assume $\pi$ = 22/7)
g. If a rhombus is re-shaped such that one of its diagonal increases by 4%, while other diagonal decreases by 4%. Find the percentage change in the area of rhombus.
h. Area of parallelogram ABCD is x cm 2 . If E, F, G and H are mid-points of the sides, find the area of EFGH.
i.  The perimeter of a trapezoid of 5 cm height is 29 cm. If the sum of non-parallel sides is 19 cm, find the area of trapezoid.
j.  Some workers are painting a hall with length, breadth and height of 50 m, 25 m and 8 m respectively. If they can paint 50 $m^2$ area from one liters of paint, find the amount of paint required to paint the walls and ceiling of hall.
k. One of the diagonal of following polygon is 20 cm long, and length of perpendiculars dropped on diagonal are 8, 8 and 12 cm. Find the area of polygon.
l.   A wire frame is bent into a circle of diameter 49 is reshaped as a rhombus. What is the length of the side of the resulting rhombus? Assume $\pi$ = 22/7
m.  If diagonal of a rhombus are in ratio 2:3, and its area is 108 $cm^2$ . Find the larger diagonal of the rhombus.
n.  Find area of following parallelogram whose base is 5cm and height is 15cm.
o. Aditya folds a rectangular paper of size 88 cm × 4 cm in cylindrical shape such that height of the cylinder is 4 cm. Find the volume of cylinder. (Assume $\pi$ = 22/7)

# SCIENCE

1.Make a power point presentation on laws and equations of motion

2.Make a scrapbook on life and achievements of three physicists.

3. Make a chart on the formulas used in physics in class 9.

4.A car travelling 60km/h uniformly retards for 10s and attains a velocity of 45km/h.Find the retardation.

5.A ball is dropped from a height of 20m.If its velocity increases uniformly at the rate of $10m/s^2$,with what velocity will it strike the ground?

6.A motorboat starting from rest on a lake accelerates in a straight line at constant rate of $3m/s^2$ for 8s.How far does the boat travel during this time?

7.Brakes applied to a car produce a uniform retardation of $0.9m/s^2$,if the car was travelling with a velocity of 27m/s,what distance will it cover before coming to rest?

8.Write three events of daily lives which are based on inertia.

9.Visit National Science Museum and write a report on what have you seen and how was your experience.

10. Make a model on any one topic a) compressibilty of different states of matter b).structure of atom.

11. Learn name and symbol of elements having atomic number from 1 to 20.

12. Solve following assignment:

a. What are the different unit of temperature? How they were invented?

b.Doctors advise to put strips of wet cloth on the forehead of a person having high temperature .give reason.

c. Melting point of three substances a, b, c are 352K, 475K and 380K.arrange them in the decreasing order of the inter particle force of attraction. Give reason.

13.Describe an activity to show that rate of evaporation increase with surface area.

14.List the different method of separation of mixtures.

15.Write the steps you would use for making tea .use the word:

Solution, solvent, solute, dissolve, soluble, insoluble, filtrate, residue.

16. Prepare a model either of a plant cell or an animal cell.

17. Prepare a herbarium file to show variety of leaves along with following descriptions: i) Common and scientific name of the plant ii) Type of venation iii) Date and time of collection iv) type of habitat

18. Visit either a dairy farm or a pultry farm and prepare a report.

19. Prepare a chart on various shapes and size of cells.

20. Prepare project report on various types of tissues present in human body giving description about the following: i) Location ii) functions iii) Disorder and its prevention and cure.

# हिन्दी

(1) प्रेमचंद के दो उपन्यास 'गबन' व 'गोदान' पढ़िए।

(2) कोई दो देश भक्ति गीत सचित्र लिखिए।

(3) जिन बच्चों ने देश की आज़ादी के लिए अपना बलिदान दिया, उनके नाम लिखिए।

(4) अपनी किसी भी यात्रा का वर्णन, यात्रा–वृतांत विधा पर आधारित तैयार करें।

(5) भारत के दर्शनीय स्थलों की सूची सचित्र बनाइए।

(6) 'लड़का–लड़की एक समान' विषय पर एक स्लोग्न तैयार कीजिए।

(7) अपने विद्यालय में बच्चों के दाखिले हेतु विज्ञापन बनाइए।

(8) समाचार–पत्रों तथा विभिन्न पत्रिकाओं में से पर्यावरण संबंधी जो भी जानकारी मिले (चित्र सहित) अपनी

फाइल में लगाइए।

(9) मानव जीवन में पक्षियों का महत्त्व पर लेख लिखिए।

(10) चित्र के माध्यम से कोई एक कहानी दर्शाइए।

(11) कवि रहीम के कोई पांच दोहे सचित्र लिखिए।

(12) कवयित्री मीरा दवारा रचित कोई दो पद लिखिए।

(13) देश प्रेम से संबंधित एक कविता लिखिए।

(14) प्रकृति से संबंधित सचित्र कविता लिखिए।

(15) 'मेरा प्रिय गांव ' पर अनुच्छेद लिखिए।

(16) 'प्रदूषण–एक समस्या ' पर एक पोस्टर तैयार करें।

(17) भारत के प्रमुख बांधों के चित्र एकत्रित कर ए–4 शीट पर चिपकाइए।

(18) कोई एक औपचारिक पत्र लिखिए।

(19) कोई एक अनौपचारिक पत्र लिखिए।

(20) बाढ़ –पीड़ित क्षेत्र मेंकौन–कौन सी बीमारियों के फैलने की आशंका रहती है सूची बनाइए।

## SOCIAL SCIENCE

HISTORY

1. The students have to visit a historical monument or Museum. And make a project on that as well as they have to paste pictures in school uniform with friends (school) in it.
2. Prepare the Historical timeline on the given topics in their textbook.
3. Prepare a life sketch on 5 personalities.
4. Locate the Important cities and countries mentioned in your book on political map(World and Indian)
5. Prepare a collage on any Historical event included in the syllabus on A2 size pastel sheet.

GEOGRAPHY

1. Find out the longitude and latitude of your respective house
2. On an outline map of India. Mark the following:
   A) Range of India
   B) Major lakes of India

3. Give the population data of the following according to 2011:
   A) Total population of India
   B) Literacy rate
   C) Sex Ratio
   D) Percentage of child, aged, and adult
4. Collect the cutting of whether forecast data of consecutive 10 days and pastes it in SCRAP BOOK.
5. Prepare a COLLAGE on a A-3 sized sheet on wildlife and forest.

POLITICAL SCIENCE

1. Follow any one newspaper for 10 days and collect editorials, articles and letters on that page that have anything to do with democracy. Classify these into the following categories:
   A) Citizens rights
   B) Electoral and party politics
   C) Criticism of government
2. Watch a session of Parliament (LokSabha or RajyaSabha) on  LokSabha TV or RajyaSabha TV or Youtube and answer the following questions:
   a) What was the topic of the debate/discussion?
   b) Who all were the leaders participating in the debate?
   c) Which session of parliament was going on?
   d)  Write some extracts of the debate.
3. Collect information about 10 members of our constituent assembly. Make a collage of this information along with their pictures.

ECONOMICS
4. 1. Visit banks and money lenders/pawn brokers and discuss various activities that you have observed. Discuss it in the classroom.
5. 2. Provide many examples of service sector activities. Use numerical eg. Charts and photographs.
6. 3.Collect logos of standards available for various goods and services. Visit a consumer court nearby and write its proceedins.
7. 4.Collect stories of consumer exploitation /grievances from newspaper.
8. 5.Observe your neighbourhood for examples of environment degradation and do the following ----
9. a)Collect some photographs of the same
10. b) Explain your observation.
11. c)Suggest some ways to prevent it.

## FRENCH

Note:    The homework needs to be done in the Frenchnotebook except chart or stick the worksheet in the notebook.
-Préparer une affiche parmi ces sujets (Prepare one chart fromgiven topics) :
- ➢ La Cuisine Française
- ➢ La Mode Française
- ➢ Les VoituresFrançaises
- ➢ Les Personnalitéscélèbres
- ➢ Les monuments et les musés

➢　　Les villesfrançaises

-Écrivez dix bonnes raisons pour apprendre la langue francaises (A4 OR A3).

-Lisez le journal et coupez les nouvelles ou les actualités sur la France A-4 OR A-3 (Read the Newspaper and paste the pictures or news related to France and French).

-Faites le tableau :

| Infinitif | Le Passé Composé | Le Futur simple | Le Présent |
|---|---|---|---|
| Aller :<br>Je/J'<br>Tu<br>Il/Elle<br>Nous<br>Vous<br>Ils/Elles | | | |
| Faire:<br>Je/J'<br>Tu<br>Il/Elle<br>Nous<br>Vous<br>Ils/Elles | | | |
| Etre:<br>Je/J'<br>Tu<br>Il/Elle<br>Nous<br>Vous<br>Ils/Elles | | | |
| Avoir :<br>Je/J'<br>Tu<br>Il/Elle<br>Nous<br>Vous<br>Ils/Elles | | | |
| Vouloir :<br>Je/J'<br>Tu<br>Il/Elle<br>Nous<br>Vous<br>Ils/Elles | | | |
| Venir:<br>Je/J' | | | |

| Tu | | | |
|---|---|---|---|
| Il/Elle | | | |
| Nous | | | |
| Vous | | | |
| Ils/Elles | | | |

**-** Entoure la formecorrecte (passé composé).

1) Elle estarrivé / arrivée.

2) Nous sommesmonté / montés.

3)Ilssontdescendus / descendu.

4) Il estallé / allés.

5) Ellessontmontées / montés.

-Conjuge au present



sereveiller:



sedoucher **:**

-Mettez au futur proche :

1. Ils (avoir)……………………… plein de devoirs et d'examens en décembre.

2. Nous (prendre)……………………… l'autobus et le métro aujourd'hui.

3. Il (écouter)……………………………. un concert à la radio.

4. Vous (jouer)……………………………. au badminton cet après-midi.

5. Je (être)………………………………… très heureux le dernier jour des classes.

6. Tu (suivre)……………………….. les instructions pour faire ce devoir.

7. Les étudiants (écrire)………………………….. une dictée.

8. Vous (étudier)………………………………… très fort pour votre examen final.

9. Elle (présenter)………………………………… son exposé oral devant la classe.

10.  Je (construire)………………………………. des phrases correctes.

-   Mettez les professions selon les sujets:

1. Je suis ……………….. (étudiant).

2. Sophie est……………….. (chanteur).

3. Nous sommes………………. (garagiste).

4. Vous êtes ………………….. (infirmière).

5. Robert est…………………. (directrice).
6. Pierre et Simon sont ……………………… (Politicien).
7. Catherine et Chantale sont……………………. (professeur).
8. Rose est …………………….. (musicien).
9. Tu es ………………….. (bijoutière).
10.   Pierre et Suzanne sont…………………… (ingénieur).

12. Décrivez ce que vous avez fait dans vos vacances ou vous ferez dans