ENGLISH : General Instructions –
- **The assignment must be hand written.**
- **All questions are to be attempted in holiday homework notebook. (Do not copy the passages for comprehension and note making in the notebook).**

   Assignment is to be submitted positively to the teacher on the first day the school reopens after the Winter break.

1. Attempt the following TWO comprehension passages.

   A.

   1. Pune/ New Delhi : After a blistering start in June, the southwest monsoon has stuttered, falling far short of normal in the fertile planes of northern and central India as well as parts of Maharashtra, sparking concerns about output of key crops if rainfall does not strengthen in a week.

   2. Bountiful rainfall in June prompted farmers to speed up crop planting, which remains much higher this time than the last year, but farmers who sowed oilseeds, pulse, cotton and coarse grain in areas with erratic rainfall are beginning to worry.

   3. "Some districts in Rajasthan, Madhya Pradesh and Uttar Pradesh have not received sufficient rainfall, which may affect the crop growth," said Suresh Agarwal, president, All India Dal Millers Association.

   4. Rainfall across India in July, a crucial month for farming, is 9% below normal, with a deficit of 20-27% in parts of northern, central and western India. But there is no need to ring the alarm bell yet as crops will revive if the monsoon revives quickly in these areas.

   5. "If we receive rainfall during the next 10 days, the situation can remain under control. Also, good increase in area under sowing and good weather condition in Karnataka, Andhra Pradesh, Telangana and parts of Maharashtra may compensate for any losses in productivity in other states," said Kalantry, a pulses processor from Maharashtra.

   6. The good news is that rainfall is indeed expected to strengthen in the next two weeks, the Head of long-range forecasting at India Meteorological Department (IMD), Sivananda Pai, told ET. Northern India has seen heavy showers in the past two days. He said monsoon lost momentum because there were no low- pressure area since June 2022.

   7. "Usually in July, we observe three to four low- pressure areas that help the rains to increase in both intensity and distribution," Pai said.

   On the basis of your understanding of the passage, answer ANY EIGHT questions from the nine that follow :

   (i) Alarm bells on the shortage of rain started ringing in ....
      - a) Goa
      - b) northern India
      - c) southern India
      - d) northern and central India

   (ii) Rain started in June. ....
      - a) slowly
      - b) quite slowly
      - c) steadily
      - d) quite heavily

   (iii) Farmer's well –being depends largely on...................
      - a) timely rains
      - b) adequate rains
      - c) no rain
      - d) brisk rains

   (iv) The monsoon has been quite active in ....for some days.
      - a) Rajasthan
      - b) northern India
      - c) Maharashtra
      - d) southern India

   (v) Crops like oilseeds and pulses may fail if.............
      - a) rains are inadequate
      - b) there is no rain
      - c) rains are adequate
      - d) there is drought

   (vi) What encouraged farmers to sow seeds for crops in June?
      - a) dry weather
      - b) prediction of rains
      - c) sufficient rains
      - d) energetic rains

   (vii) For farming the month of July is ....
      - a) good
      - b) bad
      - c) important
      - d) forbidden

   (viii) Inadequate rainfall is very likely to adversely affect crop growth. (True/ False)

   B.

1. Most of us, however, take life for granted. We know that one day we must die, but usually we picture that day as far in the future. When we are in buoyant health, death is all but unimaginable. We seldom think of it. The days stretch out in an endless vista. So we go about our petty tasks, hardly aware of our listless attitude towards life.

2. The same lethargy, I am afraid, characterizes the use of all our faculties and senses. Only the deaf appreciate hearing, only the blind realize the manifold blessings that lie is sight. Particularly does this observation apply to those who have lost sight and hearing in adult life. But those who have never suffered impairment of sight or hearing seldom make in all sights and sounds hazily, without concentration and with little appreciation. It is the same old story of not being grateful for what we have until we lose it, of not being conscious of health until we are ill.

3. I have often thought it would be a blessing if each human being were stricken blind and deaf for a few days at some time during his early adult life. Darkness would make him more appreciative of sight, silence would teach him the joys of sound.

4. Now and then I have tested my seeing friends to discover what they see. Recently I was visited by a very good friend who had just returned from a long walk in the woods, and I asked her what she had observed. "Nothing in particular" she replied, I might have been incredulous had I not been accustomed to such responses, for long ago I became convinced that the seeing see little.

5. How was it possible, I asked myself; to walk, for an hour through the woods and see nothing worthy of note? I who cannot see find hundreds of things to interest me through mere touch. I feel the delicate symmetry of a leaf. I pass my hands lovingly about the smooth skin of a silver birch, or the rough shaggy bark of a pine. In spring I touch the branches of trees hopefully in search of a bud, the first sign of awakening Nature after her winter's sleep. I feel the delightful velvety texture of a flower and discover its remarkable convolutions, and something of the miracle of Nature is revealed to me. Occasionally, if I am fortunate I place my hand gently on a small tree and feel the happy quiver of a bird in full song. I am delighted to have the cool waters of a brook rush through my open fingers. To me a lush carpet of pine needles or spongy grass is more welcome than the most luxurious Persian rug. To me the pageant of seasons is a thrilling and unending drama, the action of which streams through my finger tips.

On the basis of your understanding of the passage, answer any TEN out of the eleven given below :

(i) Death is unimaginable when we are ....
   a) young   b) old   c) working hard   d) in buoyant health

(ii) Our eyes and ears take in all sights and sounds...............
   a) quickly   b) slowly   c) hazily   d) abruptly

(iii) The expression 'seeing see little' means..............
   a) those who can see have not a lot to see
   b) those blessed with eyesight have nothing good to see
   c) the people who have eyes do not bother to see much
   d) with their eyes open, they see every little thing

iv) The author can enjoy the beauties of nature with her..........
   a) touch   b) eyes   c) nose   d) ear

v) The word 'listless' in para 1 means.............
   a) routine   b) dull   c) scheduled   d) interesting

vi) An average man's attitude towards his environment is :
   a) positive   b) apathetic   c) curious   d) negative

vii) Choose the option that correctly reveals the personality traits of the narrator.
   1. sensitive   2.inhuman   3. humble   4. inquisitive
   a) 2,3,4   b) 1,4,5   c) 1,5,6   d) 2,3,5

viii) Based on the extract, choose the correct option with reference to the two statements given below :
Statement 1 : The author is not happy with those who are endowed with the gift of eyesight
Statement 2 : Each other in Nature makes her listless.
- a) Statement 1 is false but Statement 2 is true.
- b) Statement 1 is true but Statement 2 is false.
- c) Both Statement 1 and Statement 2 are true.
- d) Both Statement 1 and Statement 2 are false.

ix) The narrator wants us to take interest in :
a) everything in life   b) life and death   c) God   d) moral issues

x) If a man is stricken blind for a few days, he will grow more...................

xi) Human beings are lethargic in their use of all their faculties and senses. (True/ False)

2. Attempt the following TWO questions on note- making.

A.

1. Amongst all the arts in the home none gives more pleasure and enjoyment than that of flower arrangement. There is no room, though thoughtfully planned and carefully decorated, which will not gain in life and beauty with the addition of a well- placed and well –arranged vase of flowers. Flowers, like pictures and other accessories, may be enjoyed for their mass or their colour. Flowers having intrinsic beauty in their line should be so arranged as to emphasize the quality.

2. Flower arrangement is an art in which attempt is made to arrange flower, foliage, plants and flower vases in such a way that all of these when arranged produce harmonious appearance, texture and colour combination. The main objective of flower arrangement is to make the place, where it is going to be placed, cheerfully, life and beautiful. It expresses one's love for beauty.

3. The art of flower arrangement has existed ever since sixth century when Chinese- Buddhist priests taught scholars how to arrange plant materials with reverence before the shrines and temples. The Japanese have developed this art to a high degree through their many different schools of flower arrangement. Their influence in this field has been worldwide. Their style of flower arrangement is known as Ikebana. Compared to this, Europeans have adopted mass flower arrangement style. Flower arrangement is the only field in which creative ability can be developed almost by anyone through study and experience. It is a means of cultural development and consequent enrichment of life that can be learned at home without interference with home making.

4. Lack of finance is no obstacle in the learning of this art. One can make use of grass, weeds, twigs and leaves growing by the road- side and containers from kitchen such as deep plates and glass- bowls. Water- glass can be used as vases for arranging flowers. Flower arrangement should have beauty. The arranger often tries to express her own moods in her compositions. While planning an arrangement, the selection of a mood, a name or a theme helps to guide it towards a definite personality, expressing one single idea.

5. The outline of a flower arrangement should be considered by anyone who is creating or judging it. The basic lines are the circle, the sphere, the triangle, the rectangle and the cube. These lines and forms are modified in flower arrangement. The lines and forms of the flower arrangement depend on line of plant material which is going to be used. The container is chosen which comes out of the some line movement so that arrangement appears as one unit. When the flower vase is taken as the trunk of a tree and lines of flower radiating from it should look like the natural branches of the tree, the whole arrangement should appear like a tree.

6. The colour of the plant material and the container should be in harmony with each other. A dominant colour is necessary for adding emphasis and unity in a flower arrangement. If three colours are used, one should be more in quantity, followed by second and third in order. In addition, only one colour should be of brilliant intensity. Different colour schemes may be followed during flower arrangement. The value of the colour is also important in flower arrangement.

a) On the basis of your reading of the above page make notes on it. Using headings and sub-headings. Use recognizable abbreviations wherever necessary (minimum 4) and a format you consider suitable. Also supply an appropriate title to it.

b) Write a summary of the above passage in about 50 words.

B.

1. It is surprising that sometimes we don't listen to what people say to us. We hear them, but we don't listen to them. I was curious to know how hearing is different from listening. I had thought both were synonyms, but gradually, I realized there is a big difference between the two words.

2. Hearing is a physical phenomenon. Whenever somebody speaks, the sound waves generated reach you, and you definitely hear whatever is said to you. However, even if you hear something, it doesn't always mean that you actually understand whatever is being said. Paying attention to whatever you hear means you are really listening. Consciously using your mind to understand whatever is being said is listening.

3. Diving deeper, I found that listening is not only hearing with attention, but is much more than that. Listening is hearing with full attention, and applying our mind. Most of the time, we listen to someone, but our minds are full of needless chatter and there doesn't seem to be enough space to accommodate what is being spoken.

4. We come with a lot of prejudices and preconceived notions about the speaker or the subject on which he is talking. We pretend to listen to the speaker, but deep inside, we sit in judgement and are dying to pronounce right or wrong, true or false, yes or no. Sometimes, we even come prepared with a negative mind set of proving the speaker wrong. Even if the speaker says nothing harmful, we are ready to pounce on him with our own version of things.

5. What we should ideally do is listen first with full awareness. Once we do that, communication will be perfect and our interpersonal relationship will become so much better. Listening well doesn't mean one has to say the right thing at the right moment. In fact, sometimes if words are left unspoken, there is a feeling of tension and negativity. Therefore, it is better to speak out your mind, but do so with awareness after listening to the speaker with full concentration.

6. Let's look at this in another way. When you really listen, you imbibe not only what is being spoken, but you also understand what is not spoken as well. Most of the time we don't really listen even to people who really matter to us. That's how misunderstandings grow among families, husbands and wives, brothers and sisters.

   a) **On the basis of your reading of the above passage make notes on it, using headings and sub-headings. Use recognizable abbreviations wherever necessary (minimum 4) and a format you consider the most appropriate. Also supply an appropriate title to it.**

   b) **Write a summary of the above passage in about 50 words.**

   Note: Refer to the passages in the Practice Papers but write the answers in your holiday HW notebook. You need not copy the comprehension and the note making passage

3. **Draft the following Advertisements.** You may use the given cues:

   i). **You are the manager of Super Software Solutions l.td. Draft an advertisement for your company for the post of a Chief Programmer (Solutions) giving details as per your requirement.**
   (Use heading - Situation Vacant, Name of employee with address, no. of posts vacant, age limit, minimum qualification, pay scale, perks, mode of applying and whom to apply, deadline, contact)

   ii). **Your aunt, emigrating to Canada wants to put up a classified advertisement to dispose off her flat before she leaves. Draft a suitable advertisement putting her flat on sale.**
   (Begin with For Sale or Available, mention the type of house, details - no. of rooms, size of floor etc, use adjectives like - airy, well ventilated etc, expected price, contact)

   iii). **While travelling in a bus you found some certificates, a wallet, and some jewellery in a bag. You found no contact details of the owner in the bag. Draft an advertisement to be published in the local newspaper.**
   (Begin with - Found, description as name of object, brand, colour, size, condition etc. found when and where, reward if any, keep strategic details undisclosed for authenticity and verification of the claimant, contact)

   iv) **Prepare a poster to persuade the public against the use of goods made of plastic.**

   v) **Write a debate in 120-150 words either for or against the motion: Use of technology does not lead to loss of employment'.**

Against

- Laborers lose jobs, get replaced by machines
- Robots- household works
- Machines more efficient, fewer workers required
- new jobs get created
- technology creates a phase of temporary employment

4. **Use the correct forms of the words given in brackets to complete the passage given below.**

We often (i) .... (go) for a morning walk. Yesterday, my younger brother also (ii).......................... (accompany) us. He got up early in the morning and (iii) .... (knock) at my door. I (iv) ....(wake up) with a start and (v) .... (gets) ready for the walk. While I (vi) .... (come) out of the room I saw my grandmother coming out of her room. She (vii) .... (tell) us it was just three o'clock. My brother (viii) .... (lose) count of time in excitement.

5. **Rearrange the following words into meaningful sentences:**

1) the biggest /the /golden /in/ eagle /the /all eagles / and /United States / fastest/ of /is
2) altitudes /it can/ to/ of/ can/ 13,000 feet/ / fly
3) diving speed /200 miles/ nears /it has /per hour/ a/ that/nears
4) this /can /a/ bird / wingspan/with a / is a/ eight feet/reach/ formidable/that
5) plains of/ from the/ Mexico / tundra of/to the /Alaska, golden eagles / in high nests/ homes /make / their

6. **Answer the following questions briefly.**

1. Why did Jonathan called the narrator the best daddy and captain in the world? ("WE ARE NOT AFRAID TO DIE... IF WE CAN ALL BE TOGETHER")

2. Who was King Tut and why has there been such widespread speculation about him in modern times? (DISCOVERING TUT: THE SAGA CONTINUES)

3. What feelings did Andrew experience when the baby was still born? (BIRTH)

4. What did Rajendra Deshpande mean when he says, you neither travelled to the past nor the future. You were in the present experiencing a different world. (THE ADVENTURE)

5. "I was in a room I knew and did not know," says the narrator in the story 'The Address'.
What prompted her to make this observation? ('THE ADDRESS')

6. Tsetan's support to the author during the journey. Elaborate.(SILK ROAD)

7. Which issues are raised by this play and how are they resolved? Answer with reference to Mother's Day. (MOTHER'S DAY)

8. How does the story 'The Summer of the Beautiful White Horse' convey the message of honesty and integrity and how do the characters maintain it irrespective of their desire to keep the horse with themselves?

7. **Speech Writing :**

* The chapter "The Portrait of a Lady" displays the sad reality of old age. Old people face loneliness and seclusion. It gets your thinking about the pain of a old age. Write a speech about "Pain of Old Age".

HINDI:

परियोजना कार्य

1. प्रेमचन्द के नमक का दरोगा में तत्कालीन समाज में फैले भ्रष्टाचार के चित्रण पर विचार व्यक्त करते हुए वर्तमान समाज की इसकी प्रासंगिकता पर विचार व्यक्त कीजिए।

2. मीराबाई के जीवन की चर्चा करते हुए बताइए कि तत्कालीन समाज एवं उनके परिवार का उनके प्रति व्यवहार रहा? वर्तमान समाज में स्त्रियों के साथ कैसा व्यवहार हो रहा है। हमारे देश के विकास में नारियों का योगदान।

3. रजनी पाठ के आधार पर आज की शिक्षा नीति पर अपने विचार लिखिए।

4. जामुन का पेड़ कहानी का नाट्य रूपान्तर कीजिए तथा सरकारी विभाग की स्थिति का वर्णन कीजिए।

MATHEMATICS :

(A) WORKSHEETS (TO BE SOLVED IN THE MATHEMATICS-HOMEWORK NOTEBOOKS)

STRAIGHT LINES

Q1 If the slopes of the two lines are ½ and 3, then find the angle between the two lines.

Q2 Find the angle between the x-axis and the line joining the points (3, -1) and (4, -2).

Q3 Find the equations to the line parallel to the axes and passing through the point (-3, 5).

Q4 Find the equation of the line which is passing through the point (-2, -4) and perpendicular to the line
$3x - y + 5 = 0$.

Q5 Find the equation of the line which passes through the point (3,4) and the sum of whose intercepts on the axes is 14.

Q6 Find the distance of the point (-1,1) from the line $12(x+6) = 5(y-2)$

Q7 Find the intercepts cut off by the line $2X - Y + 16 = 0$

Q8 If the image of the point (2, 1) in a line is (4, 3) then find the equation of line.

Q9 Find the area of the triangle formed by the lines $y - x = 0$, $x + y = 0$ and $x - c = 0$.

Q10 Determine the equation of line through a point $(-4, -3)$ and parallel to x-axis.

CONIC SECTIONS

Q1 Calculate the equation of a circle that passes through the origin and cuts off intercepts -2 and 3 from the axis and the y-axis respectively.

Q2 Determine the equation of the circle passing through the points – (0,0)(5,0) and (3,3).

Q3 If the distance between the foci of a hyperbola is 16 and eccentricity is √ 2, then obtain its equation.

Q4 If a latus rectum of an ellipse subtends a right angle at the centre of the ellipse, then write the eccentricity of the ellipse.

Q4 Determine the equation of the ellipse whose foci are (4,0) and (-4,0), eccentricity = ⅓.

Q5 Write the equation of the parabola whose vertex is at (-3,0) and the directrix is $(x + 5) = 0$.

Q6 Calculate the equation of the parabola whose focus is (1, -1) and whose vertex is (2,1). Also, find its axis and latus- rectum.

Q7 Find the equation of the circle which circumscribes the triangle formed by the lines $x = 0$, $y = 0$ and $lx + my = 1$.

Q8 Prove that the points (9,1) (7,9) (-2, 12) and (6,10) are concyclic.

Q9 Find the equation of ellipse whose eccentricity is 2/3, latus rectum is 5 and the centre is (0,0).

Q10 Find the equation of the circle which touches x-axis and whose centre is (1,2).

SEQUENCE AND SERIES

Q 1: In a GP, the second term is 12, and the sixth term is 192. Find the 11th term.

Q 2: If S_n denotes the sum of the first n terms of an AP and $[S_{3n} - S_{n-1}] / [S_{2n} - S_{2n-1}] = 31$, then find the value of n.

Q 3: The sum of some terms of a GP is 315. Its first term is 5 and the common ratio is 2. Find the number of its terms and the last term.

Q 4: Find the largest term common to the sequences 1, 11, 21, 31,…. to 100 terms and 31, 36, 41, 46……to 100 terms.

Q 5: Find the sum of integers from 1 to 100 divisible by 2 or 5.

Q 6: Find the common ratio of a GP whose sum of infinite terms is 8 and its second term is 2.

Q 7: If x, 2y, 3z are in AP, where the distinct numbers x, y, z are in GP, then find   the common ratio of the GP .

Q 8: Consider the ten numbers ar, ar^2, ar^3,…, ar^{10}. If their sum is 18 and the sum of the reciprocals is 6, then find the product of these ten numbers .

Q 9. Insert two geometric means between 9 and 243.

Q 10 If p, q, r are in AP then prove that pth, qth and rth term of any GP are in GP.

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(B) THE STUDENTS HAVE TO PREPARE MATHEMATICS ACTIVITYFILE FOR THE, FOR THE INTERNAL ASSSESSMENTS IN MATHEMATICS, AS PER THE GUIDELINES ISSUED BY CBSE.

GUIDELINES AND INSTRUCTIONS FOR PREPARING THE ACTIVITY FILE:

➢ The activities should be done in a loose ruled project sheets and fixed in a stick file.
➢ It should contain the following in the order
  • INDEX
  • ACKNOWLEDGEMENT
  • The figures should be drawn with pencil.

- The headings should be written in black in and the content in blue ink.
- Use the graph sheets wherever required.
- Color pencil and pen can be used.
- Mention NAME OF THE SCHOOL, your NAME,CLASS AND SECTION, SUBJECT and SESSION in the activity file.
- Prepare a neat and clean creative activity file.

NOTE: THE PDF OF THE ACTIVITIES TO BE COMPLETED WIL BE SHARED IN THE CLASS WHATSAPP GROUPS BY THE SUBJECT TEACHER.
THE HOLIDAY HOMEWORK HAS TO BE SUBMITTED AFTER THE WINTER VACATIONS.

PHYSICS :
Instructions :
i) The project report should be handwritten in A-4 size pages.
ii) The Project report should be of 25-30 pages.
ii) The project report should be presented in the following order-
a) Cover Page showing title of the project, student information, name of school and academic session.
b) Acknowledgement& Certificate
c) Contents with relevant headings
d) Summary and Conclusion based on findings
e) Bibliography
iii) Credit will be awarded to the original circuit diagram, illustrations and creative use of materials.
iv) All photographs and sketches should be labelled and acknowledged.

Prepare an investigatory project report on any one topic out of the following -

a) Mechanical Properties of Solids	b) Mechanical Properties of Fluids
c) Thermal Properties of Matter	d) Thermodynamics
e) Kinetic Theory of Gases	f) Oscillations and Waves
g) Gravitation	h) Motion of System of Particles and Rigid Body
i) Work, Energy and Power	j) Laws of Motion
k) Projectile Motion	l) Uniform Circular Motion

CHEMISTRY: Prepare an Investigatory project report on any ONE of the following topics :
a) Classification of Elements And Periodic Properties
b) Thermodynamics
c) Equilibrium
d) Organic Chemistry- Some Basic Principles
e) Hydrocarbons
f) Chemical Bonding and Molecular Structure

- **Instructions:**
(i) The project report should be handwritten in A-4 size (Interleaf) Project sheets.
(ii) The project report should be of 25-30 pages.
(iii) The project report should be presented in the following order:
   (a) Cover page showing name of school, title of the project, name of subject, academic session, student information and name of the guide teacher along with his/her designation.
   (b) Certificate
   (c) Acknowledgement
   (d) Index
   (e) Content with relevant headings
   (f) Summary and conclusion based on findings
   (g) Bibliography/References
(iv) Credit will be awarded to the original drawings and illustrations and creative use of materials.
(v) All photographs and sketches should be labelled and acknowledged.

Biology :

Prepare an investigatory project report on any one topic out of the following-

a) Systematic comparison of C3 and C4 plants based on metabolic network analysis.
b) Respiration in plants
c) Role of plant hormones in the growth and development of plants.
d) Mechanism of breathing and exchange of gases
e) Human circulatory system
f) Excretory products and their elimination.
g) Muscle movement and mechanism of muscle contraction.
h) Neural control and coordination.

Instructions:

i) The project report should be handwritten in A-4 size Project sheets.

ii) The project report should be of 20-25 pages.

iii) The project report should be presented in the following order:

  a) Cover page showing name of school, title of the project, name of subject, academic session, student information and name of the guide teacher along with his/her designation.
  b) Certificate
  c) Acknowledgement
  d) Index
  e) Content with relevant headings
  f) Summary and conclusion based on findings
  g) Bibliography/References

iv) Credit will be awarded to the original drawings and illustrations and creative use of materials.

v) All photographs and sketches should be labelled and acknowledged.

vi) Check the relevant content and References from different books and web sites.

COMPUTER SCIENCE:

Write program in Python in order to:

1. Read a string and check whether its palindrome or not.
2. Count number of words, vowels and consonants from a String
3. Read a word and convert it into Pyglatin form
4. Find frequency of word 'the" in a sentence
5. Read 10 elements in List and display only prime numbers from it.
6. Assign values in nested list, display them in matrix format and find sum of all rows and columns.
7. Read 15 elements and perform binary search.
8. Read 10 elements and find sum of digits all elements
9. Read 0 elements and display data type of each element.
10. Read five names in list and arrange them in descending order
11. Read 12 values in a tuple and display factors of 4th element.
12. To remove value of 'amit' from dictionary
13. Display salary of 'sanjana' from dictionary empl.

Q: Solve the paper of Unit test II

HISTORY: All students are required to do a project on **ANY TOPIC OF SYLLABUS 2023-24.**

Following essentials are required to be fulfilled for its preparation and submission-

1. The total length of the project report will not be more than 10-15 written pages of A-4 size paper).

2. The project report will be handwritten and credit will be awarded to original drawings, illustrations, photographs, artworks, good layout and creative use of materials.

3. The project report will be presented in a neatly bound simple project file.

4. The project report will be developed and presented in this order

- Cover page showing project title, student information, school and year.
- List of contents with page numbers.
- Certificate.
- Acknowledgement.
- Chapters with relevant headings.
- Summary and conclusions.
- Bibliography

POLITICAL SCIENCE :

All students are required to make a project on **ANY TOPIC FROM SYLLABUS 2023-24**

Following essentials are required to be fulfilled for its preparation and submission-

1. The total length of the project report will not be more than 8-10 written pages of A-4 size paper).

2. The project report will be handwritten and credit will be awarded to original drawings, illustrations, photographs, artworks, good layout and creative use of materials.

3. The project report will be presented in a neatly bound simple project file.

4. The project report will be developed and presented in this order

- Cover page showing project title, student information, school and year.
- List of contents with page numbers.
- Certificate.
- Acknowledgement.
- Chapters with relevant headings.
- Summary and conclusions.
- Bibliography

GEOGRAPHY :

Complete notes and exercises of the following chapters (as discussed in the class) in Geography Practical File. Include required diagrams and drawings.

1. Introduction to Maps
2. Map Scale
3. Latitude, Longitude and Time
4. Map Projections
5. Topographical Maps

ECONOMICS : As per CBSE guidelines for the session 2022-23 the students will prepare a project work on any **ONE** of the following topics :

1. Price Determination
2. Demand and its determinants along with case studies
3. Elasticity of demand along with case studies
4. Elasticity of supply along with case studies
5. Supply and its determinants along with case studies
6. Monopoly- Indian railway
7. Monopolistic Competition- toothpaste market in India
8. Imperfect competition and Market Failure
9. Theories of Utility (Ordinal and Cardinal Approach)
10. Opportunity Cost
11. Production- Returns to a factor
12. Oligopoly- Cement Industry, cellular networks industry with emphasis on the price wars started by reliance Jio, Automobile Industry
13. Gandhian Economics
14. Gram Swaraj- An alternative Economic Model
15. Role of Swadeshi in development of Indian Economy

16. Case study of a model village (Economic Perspective)- Hiwre Bazar (MH), Piplantri (RJ), Pansari (GJ) etc.
17. Boycott Chinese items vas Upliftment of Swadeshi
18. Impact of Corona Crisis on Indian Economy
19. Impact of Corona Crisis on Agricultural
20. Impact of Lockdown on Indian Industries
21. New Economic trends after corona breakdown
22. Paradigm shift in Indian Economy after Corona Virus Breakdown.

GENERAL INSTRUCTIONS:

a) The total length of the project report should not be more than the 15 written pages or 700 words of A-4 size sheet.
b) The project work should be hand written and credit will be given to original drawing.
c) It should be presented in a neatly bound simple project file. The project should be developed and presented in the following order
   i)   Cover page showing project title, student information, school and year.
   ii)   List of contents with page number.
   iii) Certificate page
   iv)   Acknowledgement
   v)   Summary and Conclusion
   vi)   Bibliography

ACCOUNTS : Prepare Comprehensive project file of a Sole Proprietorship business. This will state with journal entries and their ledgering and Preparation of Trial balance as on 30th April 2022.

The following balances appeared in the books of Vishal Stores on 1st April 2022.

Assets : Cash Rs 15,000, Bank Balance Rs 5,000; Stock Rs 40,000; Furniture Rs 3,600; Debtors Rs 24,000 (X Rs 6,000; Y Rs 8,000 and Z Rs 10,000).

Liabilities : Bank Loan Rs 10,000; Creditors Rs 12,500 (Ajay Rs 5,000, Vijay Rs 7,500).

Following transactions took place during April 2022:

April 2	Bought goods from Kailash for Rs 20,000 at a trade discount of 10% and cash discount of Rs 2%. Paid 60% amount immediately.
April 4	Sold goods to X for Rs 9,000.
April 5	Received Rs 14,800 from X in full settlement of his account.
April 6	Cash deposited into bank Rs 10,000.
April 8	Cheque received from Y for Rs 7,850 in full settlement of his account. This cheque was immediately deposited into bank.
April 10	Received a cheque from Z Rs 2,000
April 12	Cheque received from Z into bank.
April 15	Cheque received from Y dishonoured.
April 16	Cash sales Rs 15,000; out of this amount Rs 12,000 deposited into bank.
April 16	Amount due to Ajay paid by cheque.
April 18	Old newspapers sold Rs 50. Old furniture sold Rs 750
April 20	Z became insolvent and 40 paise in a reupee could be received from his estate by cheque which is deposited into bank.
April 22	Purchased goods from Gopal and paid by cheque Rs 8,000
April 24	Sold half of the above goods to Chanderkant at a profit of 30% on cost.
April 25	Proprietor withdrew for private use Rs 2,000 from office and Rs 3,000 from bank.
April 30	Paid salary to Motilal by cheque Rs 2,000.
April 30	Paid Rent by cheque Rs 1,5000.
April 30	Paid trade expenses Rs 500.

PSYCHOLOGY :

- Students complete your practical work .
  Attempt all these questions on your homework notebook.

1. Draw the stage model of memory.
2. Explain all types of interference.
3. Explain the forgetting theory.
4. What are the ways to enhance memory? Explain all the methods.
5. Define sensation.
6. What are the theories of selective attention ? explain it.
7. Explain all types of illusions.
8. What are perceptual constancies? Explain all types of perceptual constancy.

PHYSICAL EDUCATION :

1. Prepare a file on Rikli and Jones Test and perform the test on any six Senior Citizens and check there basic physical fitness.
2. Prepare a file on Body Mass Index and perform the BMI test on any ten individuals and check there body compasition.
3. Prepare a file on Yoga and any game according to the CBSE syllabus.

BUSINESS STUDIES

I. Project One: Field Visit

The objective of introducing this project among the students is to give a first-hand experience to them regarding the different types of business units operating in their surroundings, to observe their features and activities and relate them to the theoretical knowledge given in their text books. The students should select a place of field visit from the following: – (Add more as per local area availability.)
The following points should be kept in mind while preparing this visit.

1. Select a suitable day free from rush/crowd with lean business hours.
2. Visit to be discussed with the students in advance. They should be encouraged to prepare a worksheet containing points of observation and reporting.
3. Students may carry their cameras (at their own risk) with prior permission for collecting evidence of their observations.

Topics :

1. Visit to a Departmental store- The students are required to observe the following:
   a) Different departments and their lay out.
   b) Nature of products offered for sale.
   c) Display of fresh arrivals.
   d) Promotional campaigns.
   e) Spaces and advertisements.
   f) Assistance by Sales Personnel.
   g) Billing counter at store – Cash, Credit Card/ Debit Card, swipe facility. Added attractions and facilities at the counter.
   h) Additional facilities offered to customers
   i) Any other relevant aspect.
2. Visit to a Mall. The students are required to observe the following:
   a) Number of floors, shops occupied and unoccupied.
   b) Nature of shops, their ownership status
   c) Nature of goods dealt in: local brands, international brands,
   d) Service business shops- Spas, gym, saloons etc.
   e) Rented spaces, owned spaces
   f) Different types of promotional schemes.
   g) Most visited shops.
   h) Special attractions of the Mall- Food court, Gaming zone or Cinema etc.

i) Innovative facilities.

j) Parking facilities.

II. Project Two: Case Study on a Product

Take a product having seasonal growth and regular demand with which students can relate. For example,

- Apples from Himachal Pradesh, Kashmir.
- Oranges from Nagpur.
- Mangoes from Maharashtra/U.P./Bihar/Andhra Pradesh etc.
- Strawberries from Panchgani.
- Aloe vera from Rajasthan.
- Walnuts/almonds from Kashmir.
- Jackfruit from South,
- Guavas from Allahabad.
- Pineapples from North East India.
- Tea from Assam.
- Orchids from Sikkim and Meghalaya.
- Pottery of Manipur.
- Fishes from coastal areas.

Students may develop a Case Study on the following lines:

(i) Research for change in price of the product. For example, apples in Himachal Pradesh during plucking and non-plucking season.

(ii) Effect on prices in the absence of effective transport system.

(iii) Effect on prices in the absence of suitable warehouse facilities.

(iv) Duties performed by the warehouses.

(v) Demand and supply situation of the product during harvesting season, prices near the place of origin and away.

MUSIC (TABLA)   Project Work :

1. Definitions of following : Laya, Sangeet, Kala
2. Write down the Thah, Dugun & Chaugun- Teentaal, Jhaptaal, Ektaal with introduction.
3. Brief note on – Banaras Gharana.
4. Kaida in Teentaal.   5. Kaida- Rela in Teentaal.
6. Three Tukdas in Teentaal.   7. Life Sketch : Pt. Kudau Singh, Pt. Nana Panse

Note : Homework to be done in Project File Only.

MUSIC (VOCAL) :

1. Define the following terms – Nada, Saptak,Thaat, Raga, Jaati, Laya, Taal.
2. Give the description of Raga Bihag, Bhairavi and Bhimpalasi with one Chhota Khayal along with Notation (One Chhota Khayal in any one Raga)
3. Write about the history of Dhrupad, Khayal and Tarana.
4. Elaborate Raga Bhairavi in not more than 50 swaras.
5. Write down the Thah, Dugun and Chaugun layakari of Teentaal, Ektaal and Chautaal.
6. Write a detailed note on Musical Elements in Natyashastra.
7. Write about the Life-sketch of :
   a) Miyan Tansen   b) V.N.Bhatkhande   c) V.D.Paluskar
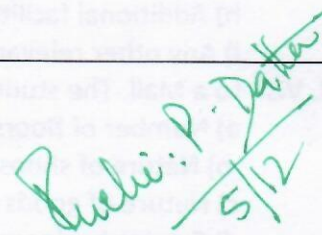
Note : Homework to be done in Project File Only.

PAINTING :

- Make 6 Still Life in Pen and Ink.
  Note : Size- A3
  Sheet- Cartridge Sheet (Drawing sheet)

HEAD SENIOR SCHOOL

PRINCIPAL