D.A.V. MULTIPURPOSE PUBLIC SCHOOL, SONEPAT

HOLIDAY HOMEWORK (2025-26)

CLASS - XI(Science+Commerce+Humanities)

SUBJECT - ENGLISH

1. It really pained Khushwant Singh's grandmother that the schools did not teach anything about God and the scriptures. Should moral education be taught in schools? What do you think? Write a Speech to be delivered in the morning assembly of your school on the topic-VALUE/ MORAL EDUCATION .
2. Make a glossary of atleast 20 technical terms used in the chapter "We're Not Afraid to Die…….. if We Can all Be Together ". Aldo draw a labeled picture of a Ship.
3. Uncle Khosrove of 'The Summer of the Beautiful White Horse ' was subconsciously disturbed by the Armenian Massacre resulting into his irritable behavior. Such genocide is criminal. National Foundation for Communal HARMONY is organizing a Poster making competition to celebrate Communal HARMONY Week.Draft a Poster on the theme of-INTERNATIONAL HARMONY .
4. Prepare Mind-Map (include theme, sub-themes and literary devices)of all the poems of Hornbill.
5. Do Note-Making and Summarizing of the following chapters -

- DISCOVERING TUT..
- SILK ROAD
  (HORNBILL)

6. Read a leading English newspaper daily and rewrite any three Articles that appealed to you the most. (100-120 words)
7. Improve your vocabulary by finding out the meaning of 5 new words daily. Also frame a sentence with each new word.
8. Prepare a SOLILOQUY expressing Shirley Toulson's pain over her mother's loss.Presentation will be in class after summer break.

9. Choose a topic for Project Work and prepare a report on it based on the guidelines shared in the class.Collect relevant evidences to be included in your report.
10. Revise the grammar topics mentioned in the syllabus and attempt one worksheet on each from BBC.

SUBJECT - PHYSICS

1. Write dimensional formulae 1-55 thrice in a seperate note book.
2. Prepare a ppt on graphical representation of motion.(Minimum 10 slides).Share it on jhamb.minakshi08@gmail.com by 20th June positively.
3. Make a flow chart of chapter 2 & 3 on A 3 size sheet.
4. Do NCERT exercise and solved examples of chapter 1,2 & 3 in H.H.W note book.
5. Prepare a topic of your choice from chapters 1-3 for class room presentation(Alloted time 5-7 minutes, so choose the length of the content accordingly.
6. Revise Chapters 1,2 and 3.

SUBJECT - CHEMISTRY

1.Read chapter 1and 2 and make 10 mcq from each chapter .
2. Do NCERT Exemplar of Chapter1 and 2 in your chemistry notebook.
3. Questions to be done in notebook
1. What is black body radiation and photoelectric effect? State the result of photoelectric effect experiment that could not be explained on the basis of laws of classical physics. Explain this effect on the basis of quantum theory of electromagnetic radiations.
2. What points of Bohr's model of an atom can be used to arrive at this formula? Based on these points derive the above formula giving description of each step and each term.
3. Calculate the energy and frequency of the radiation emitted when an electron jumps from n = 3 to n = 2 in a hydrogen atom.
4. Why was a change in the Bohr Model of atom required? Due to which important development (s), concept of movement of an electron in an orbit was replaced by, the concept of probability of finding electron in an orbital? What is the name given to the changed model of atom?
5. What are quantum numbers? What permitted values can these have? Give the significance of each quantum number
6. Competency based questions
1. Out of electron and proton which one will have, a higher velocity to produce matter waves of the same wavelength? Explain it.
2. Write electronic configuration of copper and chromium.
3. Chlorophyll present in green leaves of plants absorbs light at 4.620 × 1014 Hz. Calculate the wavelength of radiation in nanometer. Which part of the electromagnetic spectrum does it belong to?
4. Table-tennis ball has a mass 10 g and a speed of 90 m/s. If speed can be measured within an accuracy of 4% what will be the uncertainty in speed and position?

5. The effect of uncertainty principle is significant only for motion of microscopic particles and is negligible for the macroscopic particles. Justify the statement with the help of a suitable example.

6. Hydrogen atom has only one electron, so mutual repulsion between electrons is absent. However, in multielectron atoms mutual repulsion between the electrons is significant. How does this affect the energy of an electron in the orbitals of the same principal quantum number in multielectron atoms?

7. The Balmer series in the hydrogen spectrum corresponds to the transition from n1 = 2 to n2 = 3,4,………. This series lies in the visible region. Calculate the wave number of line associated with the transition in Balmer series when the electron moves to n = 4 orbit.(RH = 109677 cm–1)

8. According to de Broglie, matter should exhibit dual behaviour, that is both particle and wave like properties. However, a cricket ball of mass 100 g does not move like a wave when it is thrown by a bowler at a speed of 100 km/h. Calculate the wavelength of the ball and explain why it does not show wave nature.

4.Make an investigatory Project of any topic of chemistry and the Project report should be handwritten using A4 size sheet, use diagram wherever necessary.

SUBJECT - BIOLOGY

1. Revise all syllabus taught in the class for Unit test 2.

2. Write all questions from NCERT EXAMPLAR of each chapter 1 to 5 with answers in your notebook.

3. Do at least 3 case study based questions from each chapter.

4. Prepare a project report on one topic related to human physiology i.e. disorders of different organ   system and their treatments assigned to you in the class.

5 Collect the information on the topic - 'Health risks of excessive sugar intake,. And prepare for the presentation.

6. Also prepare a chart on 'Amount of daily sugar intake in diet for different age groups.   OR 'Health risks of excessive sugar intake.'

7.   Complete your practical file .

Experiment-1 : Study of parts of a compound microscope.

Experiment-2 : Specimens/slides/models and identification with reasons - Bacteria, *Oscillatoria, Spirogyra, Rhizopus*, mushroom, yeast, liverwort, moss,

fern, pine, one monocotyledonous plant, one dicotyledonous plant and one lichen.

Experiment-3 : Virtual specimens/slides/models and identifying features of - *Amoeba, Hydra,* liverfluke, *Ascaris*, leech, earthworm, prawn, silkworm, honey bee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.

SUBJECT - MATHEMATICS

Q.1 If A and B are two sets containing 3 and 8 elements respectively, then find the minimum and maximum number of elements in A U B.

Q.2 Prove that $\cos 20° \cos 40° \cos 60° \cos 80° = \frac{1}{16}$.

Q.3 If f(x)= |x| and g(x) = |x+1| be real functions, find i) (f+g)(3) ii) (f-g)(3).

Q.4 Two finite sets have n and m elements . The number of elements in power set of first set is 48 more than the total number of elements in power set of second set, then find value of m & n.

Q.5 Find $\tan \left(\frac{-11}{6}\pi\right)$.

Q.6 If tan A = 1/2 and tan B = 1/3 then find sin(A+B).

Q.7 Evaluate sin 15° , cos15°and tan 15°.

Q.8 Prove $\sin 5A = 5 \sin A - 20 \sin^3 A + 16 \sin^{15} A$

Q.9 If tan x = 3/4 , $\pi < x < \frac{3\pi}{2}$. Find value of $\sin \frac{x}{2}$, $\cos \frac{x}{2}$ and $\tan \frac{x}{2}$.

Q.10 Find $\cos^2 \frac{\pi}{8} + \cos^2 \frac{3\pi}{8} + \cos^2 \frac{5\pi}{8} + \cos^2 \frac{7\pi}{8}$

Q.11 Prove that $\frac{\sin x - \sin 3x}{\sin^2 x - \cos^2 x} = 2 \sin x$

Q.12 Draw the graph f: R→R such that f(x) = |x-2|

Q.13 Find the domain of $\sqrt{2x - 2x^2}$

Q.14 Find the domain and range of $\sqrt{4 - x} + \frac{1}{\sqrt{x^2 - 1}}$

Q.15 Prove that $2 \cos x = \sqrt{2 + \sqrt{2 + \sqrt{2 + 2\cos 8x}}}$

Q.16 In a class of 25 students , 12 students have taken economics, 8 have taken economics but not maths. Find
i) the number of students who have taken economics and maths.
ii) those who have taken economics and maths

Q.17 If U = {1,2,3,4,5,6,7,8,9,10} , A = {1,3,4}, B = {5,6} then show that A-B = A∩B'= B'-A'

Q.18 Is it true for any set that P(A) U P(B) = P(AUB)? Justify.

Q.19 sin 10° sin 30° sin 50° sin70° = 1/16

Q.20 If tan A = k tan B then prove that sin (A+B) = $\frac{k+1}{k-1}$ sin (A-B)

Q.21 Find domain and range of i) |x-3| ii) 3-|x-2|

Q.22 Find domain and range of f(x)= $\frac{|x|-x}{2x}$

Q.23 If tan x + cot x = 2 then what is the value of tan ^{100}x + cot^{100}x ?

Q.24 Prove cos $\left(\frac{3\pi}{4} + x\right) - \cos \left(\frac{3\pi}{4} - x\right) = -\sqrt{2}$ sinx

Q.25 Find value of sin $\frac{x}{2}$, cos $\frac{x}{2}$ and tan $\frac{x}{2}$ when tan x = - 4/3 and x lies in second quadrant.

Q.26 Let A,B,C be the sets such that AUB= AUC and A∩B = A∩C. Show that B=C.

Q.27 Find the range of $\frac{x}{1+x^2}$.

Q.28 Draw the graph of the function x+|x+1|. Hence, find the range.

Q.29 Prove that $\frac{\cos 5x + \cos 4x}{1 - 2\cos 3x}$ = - cos2x – cos x

Q.30 Find domain and range of f(x)= $\frac{|x|}{x}$, x≠ 0.

Q.31 **Write the practicals in lab manual.**

SUBJECT - INFORMATICS PRACTICES

Note: Write these commands in Practical file

1. To create a database school.

2. To create student table with the Rollno, class, section, gender, name, dob, and marks as attributes where the student id is the primary key.

3. To insert the details of at least 10 students in the above table.

4. To display the entire content of table.

5. To add a new column address of Varchar(20) in the existing table Student.

6. To delete column gender from the student table.

7. To delete primary key constraint from Rollno column of student table.

8. To display Rollno, Name and Marks of those students who are scoring marks more than 50.

9. To display Rno, Name, DOB of those students who are born between '2005-01-01' and '2005-12- 31'.

10. Complete Q 1,2,3 of Ch-8 of NCERT book in fair Notebook

11. Revise all the syllabus done in class.

SUBJECT - TYPOGRAPHY

Q1) Practice of QWERTY keyboard through "Rapid-Typing" software.

Q2) Enter a paragraph and format it according to the given specifications.

- Align the text in different alignment of the paragraph
- Keep the line spacing of 1.5

Q3) Create stationary list having four columns (using tab)

- Font specifications for the heading (Stationary List): 14-point Arial font in bold and italics.
- The headings of the columns should be in 12-point and bold.
- The rest of the document should be in 10-point Times New Roman.
- Leave a gap of 12-points after the heading.

Q4) Design a time-table form for your class.

- The first line should mention the class/section in 16-point Arial Font and should be bold.
- Leave a gap of 12-points.
- The rest of the document should use a 10-point Times New Roman font.
- The footer should contain your specifications as the name and date of creation.

Q5) Design a certificate for an athlete to meet in landscape orientation with a border around the document.

Q6) Enter the data into a given table for 5 employees of an organization:

Emp No.	Name	Address	Mobile No

Add a column email address between the Address and Mobile No. to the table.

Q7) Prepare a birthday card for your friend.

Q8) XYZ Publications plans to release a new book designed as per your syllabus. Design the first page of the book as per the given specifications.

- The title of the book should appear in bold using 20-point Calibri font.
- The name of the author and his qualifications should be in the right of the page in 16-point Times New Roman.
- The name of the publisher and address should be at the bottom of the document in 16-point Arial font.

Q9) Create a document to outline your rules for your bedroom at home, using a numbered list.

Q10) Create a document with wrapping of text around the image.

SUBJECT - PHYSICAL EDUCATION

1. Prepare a practical File.

2. Frame 10 M.C.Q each chapter 1 and 2.

3. Revise all chapters done in the class.

SUBJECT - PSYCHOLOGY

1. Watch any documentary/ movie on psychological issue (disorder/disability) and write a summary in 500 words in a scrapebook.

2. Prepare the scope of psychology in india and abroad in a scrapebook.

3. Prepare a project file on any topic on coloured sheets.

4. Frame at learst 10 MCQ from each chapter 1 and 2.

5. An autobiography is story of your life.

Your holidays homework is to write an autobiography. You may write it in a coversation or story style. Share your photographs, family pictures etc.

Feel free to write about any significant event that you have experienced and what you learnt from it. (Use A4 size coloured paper)

6. Prepare a chart or poster on any psychological aspect/ topic.

SUBJECT - ACCOUNTANCY

1. Revise chapters done in the class.
2. Complete Fair note book.
3. Do additional questions in seperate notebook.
4. Prepare PPT/Video on any one chapter.
5. UT-2 syllabus (ledger,cash book,Trial Balance)

Assignment (Do on seperate sheets) Journalise the following transactions in the books of M/s. R.K. & Co. and prepare Ledger)

(i) Purchased goods of list price of Rs. 20,000 form Vishal at 20% trade discount against cheque payment.

(ii) Purchased goods of list price of Rs. 20, 000 from Naman at 15 % trade discount against cash.

(iii) Purchased goods of list price of Rs. 30,000 from Amrit at 20% trade discount.

(iv) Purchased goods of list price of Rs. 40,000 for Rs. 35,000 for cash.

(v) Goods returned of list price of Rs. 10,000 purchased from Amrit.

(vi) Sold goods to Parul of list price of Rs. 40,000 at 10 % trade discount against cheque payment.

(vii) Sold goods to Aman of list price of Rs. 30,000 at 10% trade discount against cash.

(viii) Sold goods to Pawan of list price of Rs. 20,000 at 10% trade discount.

(ix) Sold goods to Yamini of list price of Rs. 25,000 for Rs. 23,000.

(x) Sold goods costing Rs. 10,000 at cost plus 20% less 10% trade discount to Bhupesh.

(xi) Sold goods purchased at list price of Rs. 50,000 less 15% . trade discount sold at a profit of 25% less 10% trade discount against cheque.

(xii) Aman returned goods of list price of Rs. 10,000 sold to him at 10% trade discount.

SUBJECT - BUSINESS STUDIES

1. Learn chapter 1,2,3.
2. Complete Fair note book.
3. Make mindmaps of chapter 1,2,3
4. UT-2 syllabus (chapter 2,3,4)
5. Do sample papers given at the end of each chapter in the book.(In seperate note book)
6. Prepare PPT /Video on any one chapter done in the class.

SUBJECT - ECONOMICS

1. Revise Chapters 1 to 7 (Statistics for Economics) and Chapter 1 (Microeconomics)
2. Make Economics Project as per CBSE guidelines.
3. UT 2 Syllabus: Chapter 1 and 2 (Microeconomics)
4. Solve the following assignment in Fair Notebook:

<u>ASSIGNMENT</u>
1. The data collected by the investigator himself is called:
   a) Secondary data
   b) Primary data
   c) Published data
   d) Tabulated data
2. Which of the following is a source of secondary data?
   a) Personal interview
   b) Observation
   c) Government publications
   d) Experimentation
3. Classification of data according to attributes is known as:
   a) Chronological classification
   b) Spatial classification
   c) Qualitative classification
   d) Quantitative classification
4. The part of the table that shows column headings is called:
   a) Stub
   b) Caption
   c) Title
   d) Footnote
5. A diagrammatic presentation of data that uses rectangles is called a:
   a) Bar diagram
   b) Pie chart

c) Histogram
d) Frequency polygon

6. Which of the following is not a component of a table?
   a) Caption
   b) Stub
   c) Grid
   d) Source
7. A graph that shows cumulative frequency is called a:
   a) Bar graph
   b) Ogive
   c) Pie chart
   d) Histogram
8. Microeconomics studies:
   a) Economy as a whole
   b) National income
   c) Behaviour of individual economic units
   d) Government budget
9. Opportunity cost refers to:
   a) Cost of inputs
   b) Cost of all options available
   c) Value of the next best alternative foregone
   d) Future cost
10. Frequency polygon is constructed using:
    a) Midpoints of classes
    b) Lower limits
    c) Upper limits
    d) Class width
11. Differentiate between primary data and secondary data.
12. What is meant by a questionnaire? Mention any two essentials of a good questionnaire.
13. Draw a simple table showing literacy rate of males and females in two states.
14. Describe in brief the steps involved in data collection.
15. Draw a histogram for the following data:

Class Interval	0-10	10-20	20-30	30-40	40-50
Frequency	5	8	15	10	7

16. Construct a frequency polygon using the following data:

Mid-point	5	15	25	35	45
Frequency	4	7	10	6	3

17. Draw a bar diagram for the following data: **Sales (in ₹ '000):**

2019	2020	2021	2022
80	100	120	90

18. Define scarcity and explain how it leads to the problem of choice.
19. Distinguish between microeconomics and macroeconomics.
20. Explain the concept of PPC in detail.

SUBJECT - HISTORY

1.   Learn and complete Chapter 1,2,3

2.   Frame 15 one mark Questions from each chapter and write in fair notebook.

Art integration activity-

3.   Make 2 writing tablets of Mesopotamian civilization by using wet clay .Carve the symbols using a sharp pencil or any other material as a stylus. Leave the tablet to dry . paint the clay tablets.

4.   Create an informational/Travel Brochure on Roman Civilization (location, Important rulers, economy,   society , religion, art, architecture, other achievements).

 Note- Students can paste or draw pictures.

OR

Prepare a model of collosseum showing its architectural features by using materials like wooden board,paper,colors ,markers or paints, sugar cubes,tape etc.

5.   Prepare a family tree of Mongols on A-3 size sheet.

6.   Do the following Assignment in fair notebook -

Q1.In the following questions a statement of assertion followed by a statement of reason is given choose the correct answer out of the following choices:

(A)(A) and (R) both are correct and (R) is the correct explanation of (A).

(B)(A) and (R) both are correct but (R) is not the correct explanation for (A)

(C) (A) is correct but (R) is wrong.

(D) (A) is wrong but (R) is correct.

Assertion (A)Hammurabi was responsible for the unification of the whole Mesopotamia.

Reason (R)The entire Mesopotamian region is now spread across present day Iraq, Kuwait, Turkey and Syria.

Q2. Assertion (A): The division of labour is a mark of urban life in Mesopotamia.

Reason (R): In such a system some people give commands that others obey.

Q3.Which one of the following statement is incorrect regarding Mesopotamian society-

A)From 3000 BCE, settlements had begun to develop in Southern Mesopotamia.

B) In Mesopotamian society there were nuclear families.

C) The father was the Head of the family.

D)There was absence of town planning.

Q.4Identify the given image-

Q.5 On the given map of West Asia mark and locate any five centres related to Mesopotamia civilisation and the entire Mountainous region.

Q.6 The emperor who made Christianity the official religion in the Roman Empire was

A) Alexander   B) Augustus   C) Constantine   D) Nero
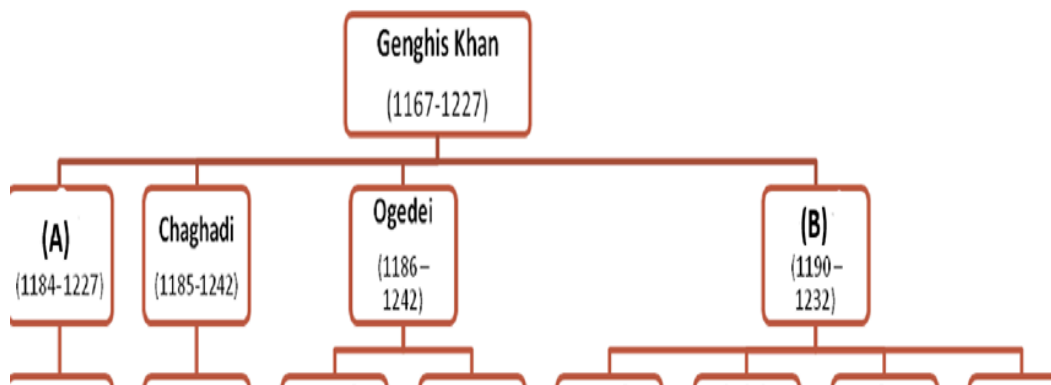
Q.7Assertion (A): Romans lived in a Nuclear family

Reason (R): Two brothers not share a didhousehold..

A). Both A and R are true and R is the correct explanation

B) Both A and R are true but R is not the correct explanation

C) A is true but R is False

D).A is False but R is true

Q.8The city of Alexandria, founded by Alexander the Great, was a major center for:

A) Trade and commerce   B) Literature and philosophy

C) Military training   D) Religious pilgrimage

Q9 Replace (A) and (B) with Appropriate names:

   A) Borte, B- Jochi   B) A-Jochi, B- Toluy

   C) Yesugei, B- Borte   D) Toluy , B- Jochi

Q 10.The structure depicted in the image -

A) Colosseum   B) Hadrian's Wall

C) Great wall of China   D)Santa Maria Del Fiore
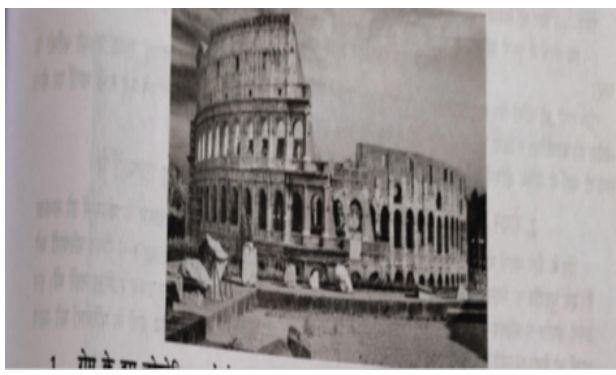
Q.11Case based study question

A major difference between the two superpowers and their respective empires was that theRoman Empire was culturally much more diverse than that of Iran. The Parthians and later the Sasanians, the dynasties that ruled Iran in this period, ruled over a population that was largely Iranian. The Roman Empire, by contrast, was a mosaic of territories and cultures that were chiefly bound together by a common system of government. Many languages were spoken in the empire, but for the purposes of administration Latin and Greek were the most widely used,indeed the only languages. The upper classes of the east spoke and wrote in Greek, those of the west in Latin, and the boundary between these broad language areas ran somewhereacross the middle of the Mediterranean, between the African provinces of Tripolitania (which was Latin speaking) and Cyrenaica (Greek- speaking). All those who lived in the empire were subjects of a single ruler, the emperor, regardless of where they lived and what language they spoke.

Questions:

1. How would you differentiate the RomanEmpire from Iran?

2. Name two dynasties who ruled over Iran during this period.

3. Which empire was bound together by a common system of government and why?

Q 12 Picture Based Questions

Look at the given picture carefully and answer the multiple

choice questions given below it:

Q.13 What conclusion do you draw after seeing this Colosseum in Rome? (A) The Romans used to

build grand buildings.

(B) His building art (architecture) was of high quality.

(C) Only (A)and (B)

(D) Both (A) and (B)..

Q.14 In this building, swordsmen fought with animals. Who are the 'swordsmen'?

(A) People who make swords

(B) A warrior skilled in sword fighting

(C) People having power like swords

15.Project Work-

  Choose any one topic for project from the list given below and collect information for the same.

Note- Student can also choose any other topic related to curriculum.

The Topic will be done by student individually.

FEW SUGGESTIVE TOPICS FOR PROJECTS - CLASS XI

1. Facets of the Industrialization in sixteenth- eighteenth centuries.

 2. Crusades: causes; rationale; events; outcomes; Holy Alliance

3. Ancient History in depth: Mesopotamia

4. Greek Philosophy and City States

5. Contributions of Roman Civilization

6. The spirit of Renaissance: Manifestation in art; Literature; Sculpture; Influence on Trading Community; Social Fabric; Philosophy; Political Values; Rational Thinking; Existentialism

7. **Aspects of Development -South American States /Central American States**

8. **Different schools of thoughts- Realism: Humanism: Romanticism**

9. **Piecing together the past of Genghis Khan**

10. **Myriad Realms of Slavery in ancient, medieval, and modern world**

11. **History of Aborigines – America /Australia**

12. **Facets of Modernization – China /Japan/Korea**

SUBJECT - POLITICAL SCIENCE

A. **Project Work: 20 Marks**
AS PER TOPIC ALLOTTED BY THE TEACHER IN THE CLASS
GENERAL GUIDELINES:
- The project is to be done on inter-leaf sheets.
- The total length of the project will be 20-25 pages.
- Students have to preserve the initial drafts of the project as well as any research papers that they
  may have been used.
- Students have to be prepared to give a presentation of the project in the class.
- A summary / synopsis (one page) of the project has to be prepared covering:
  The objective statement   Their observations and findings   The learning outcomes
- Any other learning from this exercise such as skills of teamwork, problem solving, time management, information collection, processing, analysing and synthesizing relevant information to derive meaningful conclusions;
- The projects must be neat and well-presented and must be completely hand-written.
- No whiteners to be used or written matter to be crossed out. In case of any mistakes, redo the sheet.
- Do not number sheets or write dates unless so instructed. ·
- Colour illustrations, maps, charts may be hand drawn or printed (if it is relevant for any aspect of
  your project) are welcome to make them look attractive.

Presentation:

In the form of art form like cartoons, caricatures, posters.... digital prints or sheets

Students may work upon the following lines as a suggested flow chart:
  ☐ **Choose a Title/Topic Need of the Study,**

- ☐ **Objective of the Study**
- ☐ **Hypothesis Content -Timeline, Maps, Mind maps, Pictures, cartoons etc.**
- ☐ **(Organization of Material/Data Present Material/Data)**
- ☐ **Analysing the Material/Data for Conclusion**
- ☐ **Draw the Relevant Conclusion**
- ☐ **Bibliography**

Expected Checklist for the Project Work:

• Introduction of topic/title
• Identifying the causes, events, consequences and/or remedies
• Various stakeholders and effect on each of them
• Advantages and disadvantages of situations or issues identified
• Short-term and long-term implications of strategies suggested during research
•   Validity, reliability, appropriateness, and relevance of data used for research work and for presentation in the project file
• Presentation and writing that is succinct and coherent in project file
•   Citation of the materials referred to, in the file in footnotes, resources section, bibliography etc.

Assessment of Project Work:

- Project Work has broadly the following phases: Synopsis/ Initiation, Data Collection, Data Analysis and Interpretation through activities, quiz, survey, interviews and Conclusion.
- Viva

B. **Inculcate the habit of reading newspapers and make short reports for further reference.**
C. **Make a sample paper on Book 1: Indian Constitution**
   D. **Write the summary of every chapter done in the class**.
   E. **Revise all the chapters done in the class.**

SUBJECT - GEOGRAPHY

1. Make a geological time scale.

2. Define the term degassing and differentiation.

3. Explain the evolution of the earth with diagram.

4. What do you understand by intrusive landforms. Explain with diagram.

5. What are the physical features of India.

6. Explain the evolution of Himalayan mountains.

7. Define the continental drift theory with hypothesis.

8. Explain the theory of sea floor spreading.

9. What do you understand by plate movement?

10. Explain the theory of plate tectonics.

Learn UT syllabus 1. Structure and physiography 2. The origin and evolution of the earth 3. Distribution of oceans and continents. Complete your practical file in A4 size sheets.

SUBJECT - PAINTING

1. Experiment with different materials and techniques on A2 size cartridge sheets. Pay attention to color harmony and composition.

- **Mixed-Media Painting:** Create a single piece combining different materials and techniques.
- **Folk Paintings:** Make two folk-style paintings (e.g., Warli, Kalamkari, Madhubani, Gond etc.).
- **Pattern-Based Paintings:**
  → Create a tessellation pattern painting using complementary colors.
  → Create a herringbone pattern painting using analogous or monochromatic colors.

2. Observational Paintings:

· Create a still life composition on an A2-size sheet (arrange objects like fruits, flowers or utensils with two draperies) by using light and shade according to the source of light.

· Create a compositional piece on an A2-size sheet, exploring forms and space.