

HOLIDAY'S HOMEWORK

CLASS-XII (2020-2021)

ENGLISH

LITERATURE

1. Read the extract given below and answer the questions that follow.

Far far from gusty waves these children's faces.
Like rootless weeds, the hair torn round their pallor.
The tall girl with her weighed-down head. The paper-
Seeming boy, with rat's eyes.

- Which children are referred here? What is peculiar about their face?
- What does the expression 'Far far from gusty waves' signify?
- Explain: 'Like rootless weeds.'
- How is the tall girl affected by her poverty?
- Explain: 'Weighed – down head.'
- Which literary device has been used in this stanza?

2. Read the extract given below and answer the questions that follow.

"but there was terror in my heart at the overpowering force of the waves."

- Who said the above-mentioned lines and in what context?
- What terror is the author talking about?
- How old was the author when he realised the overpowering force of the waves?

3. Read the extract given below and answer the questions that follow.

I looked again at her, wan, pale
As a late winter's moon and felt that old
Familiar ache, my childhood's fear
But all I said was, see you soon, Amma,
All I did was smile, smile and smile.....

- Name the poet and the poem.
- What was the poet's childhood fear?
- What is the poetic device used in line 1 – 2?
- Explain: 'late winter's moon'.

4. Read the extract given below and answer the questions that follow.

"....revived unpleasant memories and stirred childish fears."

- What revived unpleasant memories in the author?
- What is the childish fear the author talks about in the above statement?
- Did the author' childish fear reappear in any form? If yes, how? Describe the incident in one line.

5. Read the extract given below and answer the questions that follow.

a. "But sometimes she remembered such men as General Takima, who at home beat his wife cruelly, though no one mentioned it now that he had fought so victorious a battle in Manchuria. If a man like that could be so cruel to a woman in his power, would he not be cruel to one like this for instance?"

- Who does 'she' refer to in the first line?
- Who does 'cruel to one like this' refer to?
- What impression does this excerpt give about General Takima as a character to the reader?
- Describe briefly the context with which this statement is uttered.
- What does Dr. Sadao and his wife, Hanna plan to do with the American Pow?

6. Read the extract given below and answer the questions that follow.

"The child will grow up to become the warrior of warriors....."

- Which lesson is the above-mentioned excerpt taken from?
- Who is the author?
- Who is being referred here?
- What does he grow up to be known as?
- Which aspect of his life is a matter of extraordinary interest?
- What is the prophecy made in this lesson?

- (g) When was this prophecy made and by whom?
- (h) What does the character in question do to disapprove the prophecy?
- (i) Does the prophecy remain undisputed?
7. "We have a great deal to reproach ourselves with" said M. Hamel. Refer to the context and explain what he wanted to convey to his students.
 8. Mukesh is not like the others. His 'dreams loom like a mirage amidst the dust of streets that fill his town Firozabad'. Justify the statement in the light of contrast in the mind- set of Mukesh and the people of Firozabad.
 9. How did the writer indicate that Dr. Sadao's father was a very traditional and conventional man?
 10. What does the third level refer to? What is the significance of the third level?

Advance Writing Skills

1. Nature is healing amidst the worldwide lockdown due to the coronavirus pandemic. Taking a cue from this statement, write an article throwing some light on the issue discussed above in about 150 to 200 words. Give a suitable heading for your article.
2. Hundreds of millions of workers in India may sink deeper into poverty due to the coronavirus pandemic, says UN's labour body. Watch the news clip given at the end of the question and write an article throwing some light on the issue discussed above in about 150 to 200 words. Supply a suitable title to the **article**. Link - <https://www.youtube.com/watch?v=goMOcY2YAh4>
3. Regular practice of yoga and other exercises help in maintaining good health and even in prevention of many ailments. **Write a speech in about 150 to 200 words** to be delivered in the morning assembly.
4. Gone are the times when women were considered inferior to men. Women have progressed substantially and broken all the stereotypes, carving a niche for themselves in the society. They are at par with men in all arenas of life. Having said this, we still notice gender inequality at religious places including the Sabarimala. Taking a cue from this, write an **article in not more than 150- 200 words**. Give a suitable heading for your article.
5. Write a **speech in about 150- 200 words** for your school assembly elucidating on the topic – Scarcity of Resources: How the resources are becoming scarce and what can be done to prevent this?
6. In the wake of COVID – 19 pandemic, as the President of the welfare association of the Religare Society, Delhi, **write a notice in about 50 words** urging the members of the society to stay at home and not to venture outside to help prevent the spread of the deadly virus.
7. At a time hundreds of migrant workers are 'walking back' to their homes in villages from far-away cities where work has dried up for them due to lock-down, governments and various non-governmental organisations have come out to help in providing food in places where they are stranded. Delhi-headquartered 'Goonj' has initiated 'Rahat Covid-19' programme to ensure comprehensive family kits of essentials, including dry ration and personal care material to two lakh areas known for migration. As a proactive member of the organisation 'Goonj', **post a notice in about 50 words** asking people of your society to contribute in whichever way possible to help those in need.
8. You are Prashant / Purnima of 202, Laxmi Nagar, New Delhi. You lost your bag while traveling by metro from Laxmi Nagar to Connaught Place, New Delhi. The bag contains some valuable documents, including your Board's certificate for All India Secondary School Examination. Draft a **notice in not more than 50 words** to be published in The Indian Express under their column "Lost & Found". Include all necessary details about the lost briefcase to establish your claim.
9. You wish to apply for the post of sales representative in a reputed pharmaceutical company. Write a **letter along with your bio-data** to the Personnel Manager Chill Pill India Ltd. applying for the same. You are Deepak Moitra.
10. Write a **letter** to the Director of British Council, Copernicus Marg, New Delhi, **enquiring** about certain courses run by them during the winter vacation.
11. Write a **letter** to the dealer Hindustan Watch Co. complaining about a defective watch you have purchased which keeps gaining time and causes you a lot of inconvenience.
12. Write an **article in 150- 200 words** on 'Water Woes' analyzing (i) the importance of this precious resource (ii) water crises the world is facing and its consequences. (iii) Ways to conserve water and replenish its dwindling sources.
13. You are a social worker. You feel upset as some of the good schools are admitting as many as 60-70 students in a class just to mint money. This is adversely affecting academic standards. **Write a letter to the Editor** of a national daily highlighting this corrupt practice. Sign the letter as Jaishri/Ranjan.
14. Read one of the following mentioned books and write a brief introduction of the author (50-100 words) and write about a character you like the most:
 - a. The Old Man and the Sea- Earnest Hemingway
 - b. Animal Farm- George Orwell
 - c. Chronicle of a Death Foretold- Gabriel Garcia Marquez
 - d. The Merchant of Venice- William Shakespeare.

MATHEMATICS XII-A

PROJECTS PROPOSED			
S.No.	NAME OF STUDENT	GROUPS	TOPIC
1.	Aakash Verma	GROUP - I	Project on history of Indian Mathematician
2.	Aarushi Singla		
3.	Adarsh Rajesh		
37.	Yashika Gupta		
4.	Ananya	GROUP – II	Project on Music and Mathematics
5.	Anurag S. Parmar		
6.	Chetan Bisht		
7.	Harshit Chawla	GROUP – III	Project on Mathematics and Environment
8.	Himanshu Rana		
9.	Ishika Chaudhary		
10.	Jatin Kaushik	GROUP – IV	Project on Mathematics and Arts
11.	Kalyanie Singh		
12.	Manya Samania		
13.	Md. Sahil	GROUP – V	Project on Mathematics and ICT
14.	Naman Parashar		
15.	Nisha Sharma		
16.	Pooja Chauhan	GROUP – VI	Collection of Statistical data and for M.D, S.D and Variance
17.	Pooja Kuriya		
18.	Priya Choudhary		
19.	Priyanshu Mittal	GROUP – VII	Observe the various pattern and properties of pascal triangle
20.	Ramita Rajesh		
21.	Rashika Dogra		
22.	Renu Bargali	GROUP – VIII	Chart on formula of trigonometry and calculus
23.	Rinku Goyal		
24.	Riya Bargali		
25.	Sarthak Chaudhary	GROUP – IX	Project on Mathematics and Chemistry
26.	Satyam Upadhyay		
27.	Shradha Satheesh		
28.	Sumit Tiwari	GROUP – X	Project on History on Foreign Mathematician
29.	Swati Singh		
30.	Tanisha Dixit		
34.	Uday Kanojia		
35.	Umesh Chandra		
36.	Vivek Yadav		
31.	Tanveer Ansari	GROUP – XI	Project on Mathematics and Biology
32.	Tushar Ahuja		
33.	Tushar Gupta		

XII C

<u>NAME OF STUDENT</u>	<u>GROUPS</u>	<u>TOPIC</u>
Abhinav	GROUP - I	Project on history of Indian Mathematician
Kartik Patel		
Nitish Mathur		
Adarsh Jha	GROUP – II	Project on Music and Mathematics
Ishaan Negi		
Shreyan Shukla		
Aman Sagar	GROUP – III	Project on Mathematics and Environment
Aniket Kumar		
Himnish		
Ayan Khan	GROUP – IV	Project on Mathematics and Arts
Dhurv Tiwari		
Faiz SAifi		
Adithyan Madhu	GROUP – V	Project on Mathematics and ICT
Aditya Bisht		
Shubham Kukreti		
Indu Yadav	GROUP – VI	Collection of Statistical data and for M.D, S.D and Variance
Shruti Gauniyal		
Shruti Gaur		
Deepti Singh	GROUP – VII	Observe the various pattern and properties of pascal triangle
Agrima Srivastava		
Vinayak Gupta		
Sahil Sahu	GROUP – VIII	Chart on formula of trigonometry and calculus
Ujjwal Gupta		
Udit Bhattacharya		
Jai Bhatia	GROUP – IX	Project on Mathematics and Chemistry
Mukul Das		
Shripati Vaibhav		
Varun Tiwari	GROUP – X	Project on History on Foreign Mathematician
Shashwat Pattanaik		
Arjun Nair		
Lakshita Danu	GROUP – XI	Project on Mathematics and Biology
Tanishqa		
Rohan Singh	GROUP – XII	Application of conic section, Algebra and calculus in mathematics
Nakul Sharma		
Nishant Singh		
Raghavendra		

XII D

<u>NAME OF STUDENT</u>	<u>GROUPS</u>	<u>TOPIC</u>
Muskan	GROUP - I	Project on history of Indian Mathematician
Salman		
Harsh Chauhan	GROUP – II	Project on Music and Mathematics
Harsh Srivastav		
Sidharth	GROUP – III	Make various charts on formula of Trigonometric, Invesre Trigo and calculus
Shiva		
Swayam pal	GROUP – IV	Application of conic section, Algebra and calculus in mathematics
Vinayak		
Shreya	GROUP – V	Project on History on Foreign Mathematician
Lavanya		

GENERAL GUIDELINES

Presentation and Submission of Project Report:

At the end of the stipulated term, each student will prepare and submit his/her project report.

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

Students will work individually and will have to maintain his/her separate file work.

Content should be written as per the following headings:

- Certificate
- Acknowledgement
- Introduction of the topic
- Description in detail
- Brief history
- Images
- Result
- Bibliography

COMMERCE STREAM**BUSINESS STUDIES (054) XII-A****PROJECTS PROPOSED**

S.No.	NAME OF STUDENT	TOPIC	SUB TOPIC
1.	Aakash Verma	Principles of Management	Organization to be observed: Max
2.	Aarushi Singla	Marketing Management	Product to be marketed: Water bottle
3.	Adarsh Rajesh	Principles of Management	Organization to be observed: Big Bazaar
4.	Ananya	Marketing Management	Product to be marketed: Bathroom cleaner
5.	Anurag S. Parmar	Stock Exchange	Trading of shares and development of portfolio.
6.	Chetan Bisht	Principles of Management	Organization to be observed: Haldiram's
7.	Harshit Chawla	Principles of Management	Organization to be observed: KFC
8.	Himanshu Rana	Principles of Management	Organization to be observed: Shoppers stop
9.	Ishika Chaudhary	Marketing Management	Product to be marketed: Ladies wear
10.	Jatin Kaushik	Principles of Management	Organization to be observed: Puma
11.	Kalyanie Singh	Principles of Management	Organization to be observed: BTW
12.	Manya Samania	Marketing Management	Product to be marketed: Infant dress
13.	Md. Sahil	Principles of Management	Organization to be observed: Lifestyle
14.	Naman Parashar	Principles of Management	Organization to be observed: Subway
15.	Nisha Sharma	Marketing Management	Product to be marketed: Chocolates
16.	Pooja Chauhan	Marketing Management	Product to be marketed: Coffee
17.	Pooja Kuriya	Marketing Management	Product to be marketed: Water colors
18.	Priya Choudhary	Marketing Management	Product to be marketed: Crayons
19.	Priyanshu Mittal	Principles of Management	Organization to be observed: McD
20.	Ramita Rajesh	Stock Exchange	Trading of shares and development of portfolio.
21.	Rashika Dogra	Marketing Management	Product to be marketed: Ladies footwear
22.	Renu Bargali	Stock Exchange	Trading of shares and development of portfolio.
23.	Rinku Goyal	Stock Exchange	Trading of shares and development of portfolio.
24.	Riya Bargali	Marketing Management	Product to be marketed: Lipstick/Cosmetology
25.	Sarthak Chaudhary	Principles of Management	Organization to be observed: Bata
26.	Satyam Upadhyay	Stock Exchange	Trading of shares and development of portfolio.
27.	Shradha Satheesh	Stock Exchange	Trading of shares and development of portfolio.
28.	Sumit Tiwari	Principles of Management	Organization to be observed: 24*7 stores
29.	Swati Singh	Marketing Management	Product to be marketed: Crockery/Cutlery
30.	Tanisha Dixit	Marketing Management	Product to be marketed: Pencil & Erasers
31.	Tanveer Ansari	Principles of Management	Organization to be observed: Store99/Market99
32.	Tushar Ahuja	Principles of Management	Organization to be observed: PVR
33.	Tushar Gupta	Principles of Management	Organization to be observed: Woodlands
34.	Uday Kanojia	Stock Exchange	Trading of shares and development of portfolio.
35.	Umesh Chandra	Stock Exchange	Trading of shares and development of portfolio.
36.	Vivek Yadav	Principles of Management	Organization to be observed: Archies
37.	Yashika Gupta	Marketing Management	Product to be marketed: Body Spray

XII-B

S.No.	NAME OF STUDENT	TOPIC	SUB TOPIC
1.	Aarohi Mehta	Stock Exchange	Trading of shares and development of portfolio.
2.	Anand Bharadwaj	Principles of Management	Organization to be observed: Vijay sales
3.	Deepanshu Verma	Principles of Management	Organization to be observed: Metro cash and carry
4.	Gagan Tayal	Principles of Management	Organization to be observed: Pantaloons
5.	Gaurav Ahuja	Marketing Management	Product to be marketed: Bathing soap
6.	Harshit Sharma	Principles of Management	Organization to be observed: Croma
7.	Khushi Dedha	Marketing Management	Product to be marketed: Adhesives
8.	Khushi Sharma	Marketing Management	Product to be marketed: Baby products
9.	Lakshay Singhal	Marketing Management	Product to be marketed: Toys
10.	Md. Ashad Ansari	Principles of Management	Organization to be observed: Burger king
11.	Om Nagar	Principles of Management	Organization to be observed: Reliance Fresh
12.	Parul Gupta	Marketing Management	Product to be marketed: Ladies bags
13.	Piyush Goel	Marketing Management	Product to be marketed: Fruit candy
14.	Prince Yadav	Principles of Management	Organization to be observed: Reliance Trends
15.	Raghuvendra	Principles of Management	Organization to be observed: Reliance Digital
16.	Rohan Bhatia	Stock Exchange	Trading of shares and development of portfolio.
17.	Ronit Verma	Marketing Management	Product to be marketed: Ready soups
18.	Rishi Lakhera	Principles of Management	Organization to be observed: Starbucks
19.	Sanawar Khan	Principles of Management	Organization to be observed: Pizza Hut
20.	Shrestha Gauniyal	Marketing Management	Product to be marketed: Salt
21.	Siddh Chopra	Stock Exchange	Trading of shares and development of portfolio.
22.	Siddharth Jayprakash	Marketing Management	Product to be marketed: Shoe Polish
23.	Sunidhi	Marketing Management	Product to be marketed: Toothpaste
24.	Sudhanshu Arya	Marketing Management	Product to be marketed: Suitcase/Airbags
25.	Sumit Beniwal	Principles of Management	Organization to be observed: Dominos
26.	Varda Anand	Marketing Management	Product to be marketed: Sunglasses
27.	Vipin Choudhary	Principles of Management	Organization to be observed: CCD
28.	Vrinda Khandelwal	Marketing Management	Product to be marketed: Face wipes

PROJECT ONE: MARKETING MANAGEMENT

Now the students are required to make a project on the identified product/service keeping in mind the following:

➤ Introduction of Marketing Management

1. Why have they selected this product/service?
2. Find out '5' competitive brands that exist in the market- Their BRAND LOGO, USP, TAGLINE, SWOT ANALYSIS, PICTURES.
3. What permission and licences would be required to make the product?
4. What are your Unique Selling Proposition.[U.S.P.] and SWOT Analysis?
5. Does your product have any range give details?
6. What is the name of your product?
7. Enlist its features and process of making.
8. Draw a logo for your product.
9. Draft a tag line.

10. How will your product be packaged?

- Levels of packaging adopted by you.

11. Draw the 'Label' of your product.

12. What is the selling price of your competitor's product?

(i) Selling price to consumer

(ii) Selling price to retailer

(iii) Selling price to wholesaler

What is the profit margin in percentage to the Manufacturer, Wholesaler, Retailer.

➤ What is the selling price of your product?

(i) Selling price to consumer

(ii) Selling price to retailer

(iii) Selling price to wholesaler

What is the profit margin in percentage to the Manufacturer, Wholesaler, Retailer.

13. Which channel of distribution are you going to use? Give reasons for selection?

14. Decisions related to warehousing, state reasons.

15. What means of transport you will use and why?

16. List 5 ways of promoting your product.

17. Any schemes for (i) The wholesaler (ii) The retailer (iii) The consumer

18. What cost effective techniques will you follow for your product.

19. Draft a social message for your label.

20. Conclusion

21. Bibliography

PROJECT TWO: PRINCIPLES OF MANAGEMENT

The students are required to visit any one of the following:

1. A departmental store.
2. An Industrial unit.
3. A fast food outlet.
4. Any other organisation approved by the teacher.

They are required to observe the application of the general Principles of management advocated by Fayol.

Fayol's principles

- | | |
|---|--|
| 1. Division of work. | 2. Unity of command. |
| 3. Unity of direction. | 4. Scalar chain |
| 5. Espirit de corps | 6. Remuneration. |
| 7. Order. | 8. Equity. |
| 9. Discipline | |
| 10. Subordination of individual interest to general interest. | |
| 11. Initiative. | 12. Centralisation and decentralisation. |
| 13. Stability of tenure. | 14. Authority and Responsibility. |

Now the students are required to make a project on the organization observed keeping in mind the following:

- Introduction of HENRI FAYOL
- 1. Meaning, features and importance of Principles of Management
- 2. Explain each principle along with its effect of application and effect of violation. (Both the effects are to be presented in a tabular format).
- 3. Pictures of each principle to be pasted along with each principle on the left page.
- 4. Introduction of the organization allotted by the teacher.
- 5. Principles applicable in that organization:
 - Your observation.
 - Question of that principle in the questionnaire and the responses.
 - Graphical presentation of the responses.
- 6. Principles not applicable in that organization:
 - Your observation.
 - Question of that principle in the questionnaire and the responses.
 - Graphical presentation of the responses.
- 7. Questionnaire (5 FILLED COPIES OF THE SAME)
- 8. Conclusion
- 9. Bibliography

PROJECT THREE: STOCK EXCHANGE

The purpose of this project is to teach school students the values of investing and utilising the stock market. This project also teaches important lessons about the economy, mathematics and financial responsibility.

The basis of this project is to learn about the stock market while investing a specified amount of fake money in certain stocks. Students then study the results and buy and sell as they see fit.

This project will also guide the students and provide them with the supplies necessary to successfully monitor stock market trends and will teach students how to calculate profit and loss on stock.

The students are expected to:

- a) Develop a brief report on History of Stock Exchanges in India. (your country)
- b) Prepare a list of at least 25 companies listed on a Stock Exchange.
- c) To make an imaginary portfolio totalling a sum of Rs. 50,000 equally in any of the 5 companies of their choice listed above over a period of twenty working days.

The students may be required to report the prices of the stocks on daily basis and present it diagrammatically on the graph paper.

They will understand the weekly holidays and the holidays under the Negotiable Instruments Act.

They will also come across with terms like closing prices, opening prices, etc.

During this period of recording students are supposed to distinctively record the daily and starting and closing prices of the week other days under the negotiable instrument act so that they acquire knowledge about closing and opening prices.

The students may conclude by identifying the causes in the fluctuations of prices.

Normally it would be related to the front page news of the a business journal, for example,

- Change of seasons.
- Festivals.
- Spread of epidemic.
- Strikes and accidents Natural and human disasters.
- Political environment.
- Lack of faith in the government policies.
- Impact of changes in government policies for specific industry.
- International events.
- Contract and treaties at the international scene.
- Relations with the neighbouring countries.
- Crisis in developed countries, etc.
- The students are expected to find the value of their investments and accordingly rearrange their portfolio.

The project work should cover the following aspects;

1. Graphical presentation of the share prices of different companies on different dates.
2. Change in market value of shares due to change of seasons, festivals, natural and human disasters.
3. Change in market value of shares due to change in political environment/ policies of various countries/crisis in developed countries or any other reasons
4. Identify the top ten companies out of the 25 selected on the basis of their market value of shares. It does not matter if they have made profits or losses.

GENERAL GUIDELINES

Presentation and Submission of Project Report:

At the end of the stipulated term, each student will prepare and submit his/her project report.

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

1. The total length of the project will be of 25 to 30 pages.
2. The project should be handwritten.
3. The project should be presented in a neat folder.
4. The project report should be developed in the following sequence:
 - Cover page should include the title of the Project, student information, school and year.
 - List of contents.
 - Acknowledgements and preface (acknowledging the institution, the places visited and the persons who have helped).
 - Introduction.
 - Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings of the visit. Conclusions (summarized suggestions or findings, future scope of study). Photographs (if any).
 - Appendix Teacher's observation.
- At the completion of the evaluation of the project, it should be punched in the center so that the report may not be reused but is available for reference only.
- The project will be returned after evaluation.
- The school may keep the best projects.

ASSESSMENT Allocation of Marks = 20 Marks

The marks will be allocated under the following heads:

1 Initiative, cooperativeness and participation	- 2 Marks
2 Creativity in presentation	- 2 Marks
3 Content, observation and research work	- 4 Marks
4 Analysis of situations	- 4 Marks
5 Viva	<u>- 8 Marks</u>
Total	<u>20 Marks</u>

ACCOUNTANCY

PROJECT WORK

Guidelines:

1. Comprehensive project:

- It involves from the initial stage of accounting the preparation and analysis of financial statements. The data provided or the Project Statement will be as close to the real life situations as possible.
- The project statement should cover all important aspects like investments, financing, operating, adjustments to final accounts, etc. in a condensed form.
- The situations given in these problems will require derivation of meaningful conclusion for taking decisions for the purposes of investment, expansion, financing, etc.
- There are four tools of analysis given in the syllabus for the analysis of Financial Statements, namely (i) Comparative Statement, (ii) Common Size Statements, (iii) Ratios and (iv) Cash Flow Statement. Any one or more of these tools are to be used to derive conclusions.
- No project is to be prepared on the tools, but these tools are to be used to achieve the object of the project.

Project File

You are required to prepare a Project File to record your work related to the problems attempted in the following format:

1. First page of the file should describe title of work, Student name, school, and the teacher concerned.
2. Index to indicate columns for title of work, page no., date, teacher's remarks and signature.
3. The format for Project Work will be:
 - Statement of the problem/Name of the Project
 - Objectives
 - Period of Study
 - Source Material
 - Tools of Analysis used
 - Processing and Tabulation of data
 - Diagrammatic/graphic presentation- pie-diagram, bar diagram and graphs.
 - Derivations, Interpretation and Conclusion.
 - Assumptions (if any)

Project File should be neatly handwritten and presentable with page numbers. Each step of the solution needs to be highlighted. Conclusions drawn should be placed in boxes at the end.

TOPICS

Students have the following options of the form of businesses from which they can choose.

- | | | |
|-------------------------|-------------------------------|--------------------------|
| 1. A beauty parlour | 10. Men's wear | 19. A coffee shop |
| 2. Men's saloon | 11. Ladies wear | 20. A music shop |
| 3. A tailoring shop | 12. Kiddies wear | 21. A juice shop |
| 4. A canteen | 13. A Saree shop | 22. A school canteen |
| 5. A cake shop | 14. Artificial jewellery shop | 23. An ice cream parlour |
| 6. A confectionery shop | 15. A small restaurant | 24. A sandwich shop |
| 7. A chocolate shop | 16. A sweet shop | 25. A flower shop |
| 8. A dry cleaner | 17. A grocery shop | |
| 9. A stationery shop | 18. A shoe shop | |

A suggested list of different items is given below which can be included in project.

- | | |
|--|---|
| 1. Rent | 19. Wages and Salary |
| 2. Advance rent [approximately three months] | 20. Newspaper and magazines |
| 3. Electricity deposit | 21. Petty expenses |
| 4. Electricity bill | 22. Tea expenses |
| 5. Electricity fitting | 23. Packaging expenses |
| 6. Water bill | 24. Transport |
| 7. Water connection security deposit | 25. Delivery cycle or a vehicle purchased |
| 8. Water fittings | 26. Registration |
| 9. Telephone bill | 27. Insurance |
| 10. Telephone security deposit | 28. Auditors fee |
| 11. Telephone instrument | 29. Repairs & Maintenance |
| 12. Furniture | 30. Depreciations |
| 13. Computers | 31. Air conditioners |
| 14. Internet connection | 32. Fans and lights |
| 15. Stationery | 33. Interior decorations |
| 16. Advertisements | 34. Refrigerators |
| 17. Glow sign | 35. Purchase and sales |
| 18. Rates and Taxes | |

ECONOMICS

Guidelines for Project Work:

1. The project should be of 3,500-4,000 words (excluding diagrams & graphs), preferably hand-written on A-4 size paper.
2. Credit may be awarded to original drawings, illustrations and creative use of materials.
3. The project report should be presented in a neatly bound folder.
4. The project report should be developed and presented in the following order:
 - Cover Page showing project title, student information, school and year.
 - Contents: List of contents with page numbers.
 - Acknowledgements: Acknowledging the institution, offices and libraries visited and persons who have helped.
 - Project Overview: Purpose, Aim, Methodology and experiences while doing the project.

- Subject Matter: Topics with relevant headings.
- Conclusions: Based on findings. (Summary and Suggestions).
- Bibliography: It should have the title, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.
- All the photographs & sketches should be labelled and acknowledged

Expected Checklist:

- Introduction of topic/title
- Identifying the causes, consequences and/or remedies
- Advantages and disadvantages of situations or issues identified
- Short-term and long-term implications of economic strategies suggested in the course of 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.

S.NO	NAME OF STUDENTS	TOPIC
1.	Aarohi Mehta , Rinku Goyal	Covid- 19 : The Pandemic
2.	Gagan Tayal , Naman Parashar	LPG
2.	Gaurav Ahuja- B , Md. Sahil	Green Revolution
4.	Harshit Sharma , Pooja Chauhan	Waste Management in India
5.	Khushi , Nisha Sharma	Sustainable Development
6.	Khushi Sharma , Priya Chaudhary	Demonitization
7.	Lakshay Singhal , Pooja Kuriya	Foreign Exchange Rate
8.	Md. Ashad Ansari , Ramita Rajesh	Foreign Direct Investment
9.	Om Nagar , Priyanshu Mittal	Human Development Index
10.	Parul Gupta , Renu Bargali	Outsourcing and its Impact
11.	Prince Yadav, Deepanshu Verma	Inflation
12.	Rashika Dogra, Piyush Goel	Disinvestment
13.	Raghuvendra Raghav, Kalyanie Singh	MNREGA
14.	Rishi lakhera , Riya Bargali	Self-help Groups
15.	Rohan Bhatia , Sarthak Choudhary	Make In India : The way Ahead

16.	Sanawar Khan , Satyam Upadhyay	Food Supply Chain in India
17.	Shrestha Gauniyal , Shradha Satheesh	Clean India Mission
18.	Siddh Chopra , Tanisha Dixit	Start up India
19.	Sidharth Jayaprakash , Swati Singh	IT: India's Sunshine Sector
20.	Sudhanshu Arya, Tanveer Alam	Poverty
21.	Vipin Choudhary, Tushar Ahuja	Youth Unemployment in India
22.	Vrinda Khandelwal, Manya Samania	Infrastructure
23.	Aakash Kr Verma, Ananya	Subsidies
24.	Aarushi Singla, Uday kanojia	Currency War
25.	Adarsh R , Yashika Gupta	GST
26.	Ishika Choudhary, Umesh Melty	Digital India: Step towards Future
27.	Anurag Singh Parmar, Muskan Chawariya	Minimum Support Prices
28.	Chetan Bisht, Vivek Yadav	Organic Farming: Back to Nature
29.	Harshit Chawala, Himanshu Rana	Small Scale industries
30.	Somya Shree, Gaurav Kumar	Jan Dhan Yojna
31.	Anshita Gupta, Naman Malkoti	Government Budget

SCIENCE STREAM
Chemistry Project Topics

GENERAL GUIDELINES

Students will work either individually or in a group of 2 max and will have to maintain his/her separate file work.

Content should be written as per the following headings:

- Certificate
- Acknowledgement
- Introduction of the topic
- Description in detail
- Brief history
- Minimum 2 case studies / experiment details
- Results/inferences
- Discussions and conclusion
- Precautions
- Bibliography

XII-C

ROLL NUMBER	NAME	TOPIC
1.	ABHINAV MEHRA	STUDY OF COMMON FOOD ADULTERANTS
2.	ADARSH JHA	QUANTITY OF CASEIN PRESENT IN DIFFERENT SAMPLES OF MILK
3.	ADITHYAN MADHU	FATTY MATERIAL OF DIFFERENT SOAP SAMPLES
4.	ADITYA BISHT	EFFECT OF POTASSIUM BISULPHATE AS A FOOD PRESERVATIVE UNDER VIGOROUS CONDITION
5.	AGRIMA SRIVASTAV	PREPARATION OF GRIGNARDS REAGENT
6.	AMAN SAGAR	FERMENTATION
7.	ANIKET KUMAR	FERTILIZER
8.	ARJUN NAIR	STUDY OF DIFFUSION OF SOLIDS IN LIQUIDS
9.	AYAN KHAN	USE OF EXOTHERMIC REACTIONS
10.	DEEPTI SINGH	FORMATION OF BIODIESEL
11.	DHRUV TIWARI	EFFECT OF POTASSIUM BISULPHATE AS A FOOD PRESERVATIVE
12.	FAIZ SAIFI	GREEN CHEMISTRY: BIODIESEL AND BIOPETROL
13.	HIMNISH SHARMA	TO PREPARE A SMOKE BOMB
14.	INDU YADAV	CHEMISTRY IN BLACK AND WHITE PHOTOGRAPHY
15.	ISHAN NEGI	DIGESTION OF STARCH BY SALIVARY AMYLASE AND EFFECT OF PH AND TEMPERATURE ON IT
16.	JAI BHATIYA	STERILIZATION OF WATER BY BLEACHING POWDER
17.	KARTIK PATEL	STUDY OF COMMON FOOD ADULTERANTS

18.	LAKSHITA DANU	METAL COUPLING IN RUSTING OF IRON
19.	MUKUL DAS	OSMOTIC PRESSURE
20.	NAKUL SHARMA	INVISIBLE INK
21.	NISHANT SINGH	STUDY OF PRESENCE OF OXALATE ION IN GUAVA FRUIT AT DIFFERENT STAGES OF RIPENING
22.	NITISH MATHUR	ELEVATION OF BOILING POINT
23.	RAGHAVENDRA	CATALYTIC DECOMPOSITION
24.	ROHAN SINGH	CHOCOLATE ANALYSIS
25.	SAHIL SAHU	MEASURING SOLUBILITY
26.	SHASHAWAT PATNAIK	CAFFEIN IN COFFEE SAMPLES
27.	SHREYAN SHUKLA	SLICING OF ICE AND EFFECT OF TEMPERATURE AND PRESSURE CHANGE
28.	SHRIPATI VABHAV	NATURAL RESOURCES
29.	SHRUTI GAUNIYAL	FERMENTATION
30.	SHRUTI GAUR	STUDY OF QUANTITY OF VITAMIN C IN DIFFERENT FOOD SAMPLES
31.	SHUBHAM KUKRETI	NATURAL RESOURCES
32.	TANISHQA CHAHAL	STUDY OF PRESENCE OF OXALATE ION IN GUAVA FRUIT AT DIFFERENT STAGES OF RIPENING
33.	UDIT BHATTACHARYA	INVISIBLE INK : MODELING A MOLECULAR SWITCH
34.	UJJWAL GUPTA	ABSORBING AMMONIA
35.	VARUN TIWARI	EFFECT OF ACID RAIN ON LIMESTONE ROCK
36.	VINAYAK GUPTA	AMOUNT OF CASEIN IN MILK
37.	KARTIKEY SRIVASTAVA	INVESTIGATORY PROJECT ON FERTILIZERS

Chemistry Project Topics – XII-D

ROLL NUMBER	NAME	TOPIC
1.	AAROHI TYAGI	STERILIZATION OF WATER BY USING BLEACHING POWDER
2.	ATHARVA MISHRA	GREEN CHEMISTRY: BIO-DIESEL AND BIO-PETROL
3.	CHHAVI VERMA	RATE OF EVAPORATION OF DIFFERENT LIQUIDS
4.	DIVYA SHARMA	EFFECT OF POTASSIUM BISULPHITE AS A FOOD PRESERVATIVE
5.	HARSH CHAUHAN	SYNTHESIS AND DECOMPOSITION OF ASPIRIN
6.	HARSH SHRIVASTAVA	RED CABBAGE PH PAPER
7.	JAY KUMARI	DNA'S SECRET CODE
8.	KARISHMA RAI	NANOPARTICLE STAINED GLASS

9.	KARTIK SINGH RAUTELA	PHOTOLITHOGRAPHY
10.	KASHISH YADAV	ENHANCED COLOR THIN-LAYER CHROMATOGRAPHY
11.	KAVYA TRIVEDI	ANTIBACTERIAL SILVER
12.	LAVANSH KUMAR	STAIN RESISTANT FABRIC
13.	LAVANYA BHAT	RATE OF FERMENTATION OF WHEAT FLOUR
14.	MANSI MANDAL	SETTING OF MIXTURE OF CEMENT WITH SAND, TIME AND FLY ASH
15.	MOHD. WASIM	SYNTHESIS AND DECOMPOSITION OF ASPIRIN
16.	MUSKAN SINGH	SYNTHESIS AND CHARACTERIZATION OF A SELF-HEALING POLYMER
17.	NABEELA KHANAM	FORMATION OF BIODIESEL
18.	NITIKA	CHOCOLATE ANALYSIS
19.	PALLAVI	CHEMISTRY IN BLACK AND WHITE PHOTOGRAPHY
20.	RAHUL	THE DETERMINATION OF THE AMOUNT OF PHOSPHATE IN A DETERGENT
21.	ROHAN	THE SYNTHESIS OF ASPIRIN
22.	SALMAN KHAN	THE NEUTRALIZING ABILITY OF ANTACID TABLETS
23.	SHALINI	PAPER CHROMATOGRAPHY
24.	SHEETAL	MODELING ZEOLITES
25.	SHIPRA	NANO-GOLD FOR CANCER THERAPY
26.	SHIVA RANJAN	INVISIBLE SUNBLOCK
27.	SHLOK GUPTA	MICROENCAPSULATION
28.	SHREYA SINGH	USING ZEOLITES AS A FERTILIZER
29.	SHRUTI KUMARI	VITAMIN C IN FRUIT JUICES
30.	SHUBHAM SAINI	OPTIMAL TEMPERATURE FOR THE DECOMPOSITION
31.	SIDDHARTH RAWAT	LUMINESCENT SILOLE NANOPARTICLES FOR CHROMIUM (VI) DETECTION
32.	SONA KUMAR	DETERMINE THE QUANTITY OF CASEIN IN MILK
33.	SWAYAM PAL	EFFECT OF SODIUM CARBONATE ON FOAMING CAPACITY OF A SOAP
34.	VANSHITA SHARMA	EFFECTS OF DYE ON DIFFERENT TYPES OF FABRIC
35.	VINAYAK DANGWAL	FINGERPRINTING THE CRIME SCENE INVESTIGATION

PHYSICS Project Topics – XII-C

S.NO.	Add. NO.	NAME	PROJECT ALOTTED
1	4582	ABHINAV MEHRA	To study various factors on which the internal resistance/EMF of a cell depends.
2	1698	ADARSH JHA	To study the variations in current flowing in a circuit containing an LDR
3	2873	ADITHYAN MADHU	To design an appropriate logic gates combination for a given truth table.
4	1672	ADITYA BISHT	full wave rectifier
5	4601	AGRIMA SRIVASTAV	half wave rectifier
6	5590	AMAN SAGAR	investigatory project on particle accelerators major focus on working of a cyclotron
7	4548	ANIKET KUMAR	capacitor : its types, daily life use ,explanation of working principle of capacitor through working model
8	2081	ARJUN NAIR	effect of 5G radiation on human beings and environment
9	5618	AYAN KHAN	To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
10	1674	DEEPTI SINGH	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C source of adjustable frequency.
11	5080	DHRUV TIWARI	To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
12	5543	FAIZ SAIIFI	amplifier working model (working, use explanation etc)
13	4133	HIMNISH SHARMA	To study of various type of solar cells (their use, working & principle etc)
14	3706	INDU YADAV	To study of A.C generator working model, its working, principle & use
15	4530	ISHAN NEGI	To study various factors effecting mutual induction and explain them with the help of working model
16	4166	JAI BHATIYA	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
17	4604	KARTIK PATEL	<u>Wireless Energy: The Future Of Electricity</u>
18	1498	LAKSHITA DANU	To study various factors on which the internal resistance/EMF of a cell depends.
19	4538	MUKUL DAS	To study the variations in current flowing in a circuit containing an LDR
20	1491	NAKUL SHARMA	To design an appropriate logic gates combination for a given truth table.
21	4658	NISHANT SINGH	full wave rectifier
22	5553	NITISH MATHUR	half wave rectifier
23	2087	RAGHAVENDRA	investigatory project on particle accelerators major focus on working of a cyclotron
24	3702	ROHAN SINGH	capacitor : its types, daily life use ,explanation of working principle of capacitor through working model
25	4568	SAHIL SAHU	effect of 5G radiation on human beings and environment

26	5569	SHASHAWAT PATNAIK	To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
27	1695	SHREYAN SHUKLA	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C source of adjustable frequency.
28	1501	SHRIPATI VABHAV	To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
29	4577	SHRUTI GAUNIYAL	amplifier working model (working, use explanation etc)
30	1801	SHRUTI GAUR	To study of various type of solar cells (their use, working & principle etc)
31	4273	SHUBHAM KUKRETI	To study of A.C generator working model, its working, principle & use
32	5571	TANISHQA CHAHAL	To study various factors effecting mutual induction and explain them with the help of working model
33	5585	UDIT BHATTACHARYA	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
34	4473	UJJWAL GUPTA	<u>Wireless Energy: The Future Of Electricity</u>
35	5524	VARUN TIWARI	logic gates
36	5580	VINAYAK GUPTA	study of moving coil galvanometer and its uses
37		KARTIKEY SRIVASTAVA	amplifier working model (working, use explanation etc)

PHYSICS Project Topics – XII-D

S.no	Add.No	NAME	projects allotted
1	4105	Aarohi Tyagi	To study various factors on which the internal resistance/EMF of a cell depends.
2	5614	Atharva Mishra	To study the variations in current flowing in a circuit containing an LDR
3	1493	Chhavi Verma	To design an appropriate logic gates combination for a given truth table.
4	5610	Divya Sharma	full wave rectifier
5	4507	Harsh Chauhan	half wave rectifier
6	3787	Harsh Shrivastava	investigatory project on particle accelerators major focus on working of a cyclotron
7	1603	Jay Kumari	capacitor : its types, daily life use ,explanation of working principle of capacitor through working model
8	3687	Karishma Rai	effect of 5G radiation on human beings and environment
9	1517	Kartik Singh Rautela	To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
10	4487	Kashish Yadav	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C source of adjustable frequency.
11	4502	Kavya Trivedi	To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
12	5595	Lavansh Kumar	amplifier working model (working, use explanation etc)

13	1500	Lavanya Bhat	To study of various type of solar cells (their use, working & principle etc)
14	1480	Mansi Mandal	To study of A.C generator working model, its working, principle & use
15	4561	Mohd. Wasim	To study various factors effecting mutual induction and explain them with the help of working model
16	1679	Muskan Singh	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
17	3460	Nabeela Khanam	<u>Wireless Energy: The Future Of Electricity</u>
18	2859	Nitika	To study various factors on which the internal resistance/EMF of a cell depends.
19	3319	Pallavi	To study the variations in current flowing in a circuit containing an LDR
20	5067	Rahul	To design an appropriate logic gates combination for a given truth table.
21	4596	Rohan	full wave rectifier
22	4486	Salman Khan	half wave rectifier
23	5616	Shalini	investigatory project on particle accelerators major focus on working of a cyclotron
24	3369	Sheetal	capacitor : its types, daily life use ,explanation of working principle of capacitor through working model
25	4675	Shipra	effect of 5G radiation on human beings and environment
26	1499	Shiva Ranjan	To investigate the dependence of the angle of deviation on the angle of incidence using a hollow prism filled one by one, with different transparent fluids.
27	4471	Shlok Gupta	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C source of adjustable frequency.
28	1615	Shreya Singh	To investigate the relation between the ratio of (i) output and input voltage and (ii) number of turns in the secondary coil and primary coil of a self-designed transformer.
29	4623	Shruti Kumari	amplifier working model (working, use explanation etc)
30	1914	Shubham Saini	To study of various type of solar cells (their use, working & principle etc)
32	4115	Siddharth Rawat	To study of A.C generator working model, its working, principle & use
31	4226	Sona Kumar	To study various factors effecting mutual induction and explain them with the help of working model
33	3248	Swayam Pal	To study the factor on which the self-inductance of a coil depends by observing the effect of this coil, when put in series with a resistor/(bulb) in a circuit fed up by an A.C. source of adjustable frequency.
34	5364	Vanshita Sharma	<u>Wireless Energy: The Future Of Electricity</u>
35	1690	Vinayak Dangwal	logic gates

GENERAL GUIDELINES Presentation and Submission of Project Report:

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

1. The project should be handwritten.
2. The project should be presented in a neat folder.
3. The project report should be developed in the following sequence:
 - Topic
 - Acknowledgement
 - Certificate
 - Index
 - Main content of the topic
 - Including circuit diagram scientific principles involved working construct
 - Working model
 - Graphs
 - Daily life use
 - Bibliography
 - At the completion of the evaluation of the project, it should be punched in the center so that the report may not be reused but is available for reference only.
 - The project will be returned after evaluation.
 - The school may keep the best projects.

BIOLOGY - XII-D

1. Project on the given topic. The project must include:

- Title
- Introduction, Material required if any
- History
- Epidemiological study (for disease based project)
- Main content, Data
- Recent trends of the chosen topic
- Diagnosis, Treatment, 2 case studies done by you and follow up (for disease based project)
- Conclusive content
- Bibliography

2. Make summary or mind maps for all chapters studies till now, on separate sheets.

3. Make a diagram collection consisting of:

- a. T.S of anther
- b. Microspore maturing into pollen grain
- c. Anotropous ovule
- d. Well labelled monosporic development of megaspore
- e. Mature embryo sac
- f. Dicot embryogenesis
- g. T.S of seminiferous tubules
- h. Section of Ovary
- i. Transport of ovum, fertilisation and passage of embryo through fallopian tube
- j. Structure of antibody

S. No.	Add.no.	Names	Project Title
1	4105	Aarohi Tyagi	Recent trends of global warming
2	5614	Atharva Mishra	Invasive plants
3	1493	Chhavi Verma	Kidney and gall bladder stones
4	5610	Divya Sharma	Study of preservatives in different food items
5	1603	Jay Kumari	Congenital heart disease
6	3687	Karishma Rai	Sickle cell anaemia
7	1517	Kartik Singh Rautela	Corona virus
8	4487	Kashish Yadav	Genetic disorders
9	4502	Kavya Trivedi	Effect of different factors on seed germination
10	5595	Lavansh Kumar	Cancer
11	1480	Mansi Mandal	Lifestyle disease
12	4561	Mohd Wasim	Elephantiasis
13	3460	Nabeela Khanam	PCOD
14	2859	Nitika	Malignant tumours and effect of lifestyle in cancer development
15	3319	Pallavi	Spondylitis
16	5067	Rahul	Corona virus
17	4596	Rohan Saxena	Bacterial growth and survival in different substances
18	5616	Shalini	Biopesticides
19	3369	Sheetal Choudhary	Ecological role of various plant and animals
20	4675	Shipra Das	Stem cells
21	4471	Shlok Gupta	Elephantiasis
22	4623	Shruti Kumari	Ectopic pregnancy
23	1914	Shubham Saini	Hepatitis C
24	4226	Sona Kumar	Coronary/ Cardiovascular disease
25	5364	Vanshita Sharma	Viral disease

HUMANITIES STREAM

PSYCHOLOGY

Prepare a Case Profile on **any one** of the following topics:

- Anxiety Disorders
- Aggression
- Stress
- Social networking addiction
- Phobia Disorders
- Obsessive-Compulsive Disorders
- Depression
- Personality disorder
- Attention-deficit hyperactivity Disorder (ADHD)
- Separation Anxiety Disorders
- Substance- use Disorders
- Post-traumatic stress disorder(PTSD)

Student will work either individually or in a group of 2max and will have to maintain separate file work. **Content should be written as per the following headings:-**

- Certification
- Acknowledgement
- Introduction of the topic
- Identification of data (Name, Diagnosed problem)
- Two Case history (detail description of the subject, brief history of the problem, signs and symptoms, analysis of data,)
- Discussion & conclusion
- Bibliography

Make study notes for chapters 1-5 and submit.

LEGAL STUDIES

The project can be made on any of the topics given below/ allotted and following case laws must be mentioned. The project should discuss and speak of Facts, Issues, Relevant legislation and discussed precedents and the decision of the case law along with a Conclusion which explains the concept.

Case Analysis on the following:

1. Maneka Gandhi vs Union of India
2. Kesavananda Bharati Case
3. Balfour vs Balfour
4. Carlill vs Carbolic Smoke Ball
5. Durgaprasad vs Baldev
6. Kartak Singh vs State of Punjab
7. Konkan Railways Corp. vs Mehul construction co.
8. Vishaka & ors vs State of Rajasthan & ors
9. Hussainara Khatoon vs State of Bihar

Student will work either individually and will have to maintain separate file work.

Content should be written as per the following headings: -

- Certification
- Acknowledgement
- Contents
- Introduction of the topic
- Facts of the case
- Issues raised in the case and previous case precedents
- Arguments (in favor and against)
- Decision and Final decision (ratio decidendi and obiter dicta)
- Discussion & conclusion
- Bibliography

Make study notes for Unit 1-3 and submit.

GEOGRAPHY

Topic-Geographical information system

Guidelines for Preparation of Project Report.

1. The total length of the Project Report will not be more than 20 pages of A-4 size paper.
2. The project report will be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials.
3. The project report will be presented in a neatly bound simple folder.
4. The project report will be developed and presented in the following order:

Page- 1 Cover Page showing project title, student information, school and year.

Page-2 Contents : List of contents with page number

Page- 3 Acknowledgements : Acknowledging the institution, offices and libraries visited and persons who have helped.

Page- 4 Project Overview : Purpose, Aim, Methodology and experiences while doing the project.

Page- 5 to Page- 18 Subject Matter: Topics with relevant headings.

Page- 19 Conclusions: Based on findings. (Summary and Suggestions).

Page- 20 Bibliography : It should have the title, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.

All the photographs & sketches should be labeled and acknowledged.

Date of submission: Within 1 week as school reopens

TEACHERS ASSESSMENT:

1. Content accuracy and originality
2. Presentation and creativity
3. Process of project completion
4. Punctuality
5. Viva

Detailed research needs to be done on –

- a) **Definition and development of GIS**
- b) **Objectives of GIS**
- c) **Representation of Geographical data**
- d) **Application of GIS**
- d) **Computer environment of GIS**
- e) **Data structure –Advantages and disadvantages**
- f) **Elements of GIS**
- g) **Conclusion.**

POLITICAL SCIENCE

Class: -XII

SAMPLE PAPER 1 (2020)

Time: 3 HR

Date: -

POLITICAL SCIENCE

M.M: 80

General Instructions: -

- The question paper is divided into A, B, C, D and E section.
- All questions are compulsory.
- Question nos. 1-20 carries 1 mark each. Answer should not exceed 20 words.
- Question nos. 21-23 carries 2 marks each. Answer should not exceed 40 words.
- Question nos. 24-27 carries 4 marks each. Answer should not exceed 100 words.
- Question nos. 28-30 carries 5 marks each. Answer should not exceed 150 words.
- Question no. 31 is a map based question. Write its answer in the answer booklet.
- Question nos. 32-34 carries 6 marks each. Answer should not exceed 150 words.

- UN was founded as a successor to which international organisation?
- Name the present Secretary General of UN.
- What do you understand by the term cooperative security?
- Mention the main objective of Earth Summit.
- Write the full form of LTTE.
- How many permanent and non-permanent members are there in Security Council?
- Write the names of two NGO's that campaign for the protection of human rights.
- What do you mean by disarmament?
- Which protocol has given a road map in order to reduce emission of green house gases?
- _____ includes Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, and Srilanka.
- What are the two notions of non-traditional security?
- Match the following:-
 - G-8
 - Antartica ocean floor,
Outer space, earth's atmosphere
 - The Rio Summit
 - War over Yamruk river
 - global commons
 - June 2005
 - Israel, Syria, Jordan
 - Agenda 21
- What is global warming?
- Give two reasons for the sharp decline in the quality of coastal pollution.
- Name the global platform against globalisation.
- Define Cultural Heterogenisation.
- List the four flows of globalisation.
- Differentiate between the global north and global south.
- How many member states signed the UN charter?
- Give one function of Amnesty international.
- List the two main challenges faced by the newly independent countries of Asia and Africa.
- Mention the steps taken by India to prevent environmental degradation.
- Give any two economic advantages of globalisation.
- What are the criterias to become a member state of Security Council?
- Who are Indigenous people? Describe any three problems faced by them.
- 'Despite the mixed record of the democratic experience the people in all these countries share the aspiration for democracy'. Explain.
- List the functions of an international organization.

28. Read the passage and answer the questions (2+2+1)

The growing focus on environmental issues within the arena of global politics was firmly consolidated at the United Nations Conference on Environment and Development held at Rio de Janeiro, Brazil in June 1992. This was also called the Earth Summit....what was obvious at this summit was the rich and the developed countries of the first world generally referred to as the 'Global North' were pursuing a different environmental agenda than the poor and the developing countries of the III world called the 'Global South'. ...the differences in their approach culminated into the adoption of the principle called 'Common but differentiated responsibilities'.

- Why was the environmental concern of the first world different from that of the III world?
- In what ways the principle of common but differentiated responsibilities helped in addressing and overcoming the differences between the 'Global North' and 'Global South'?
- What do common but differentiated responsibilities mean?

29. Look at the cartoon and answer the questions:- (1+2+2)



Invading new markets

- What effect does the cartoon show?
- What is Mc Donaldisation?
- What does the cartoon depict?

30. Look at the cartoon and answer the questions:- (1+2+2)



- Name the organisation to which this logo belongs.
- What do the olive branches signify?
- Mention two functions of this international organisation.

31. Five places as A, B, C, D, E have been marked in the given world map. On the basis of given information, identify them and write correct names, serial number and related alphabet:
- 2/3 of people of this country are victim of HIV Aids.
 - Country which had to suffer huge loss due to 'Mad Cow' epidemic.
 - Country which attacked India in 1962.
 - Country that conducted nuclear test in 1974.
 - Country which attacked India in 1971.
32. Explain the traditional notion of security.
33. 'India has supported the restructuring of the UN on several grounds.' Justify the statement.
34. Evaluate the cultural and political consequences of globalisation.

Class: -XII

SAMPLE PAPER 2 (2020)

Time: 3

HR

Date: -

POLITICAL SCIENCE

M.M: 80

General Instructions: -

- The question paper is divided into A, B, C, D and E section.
- All questions are compulsory.
- Question nos. 1-20 carries 1 mark each. Answer should not exceed 20 words.
- Question nos. 21-23 carries 2 marks each. Answer should not exceed 40 words.
- Question nos. 24-27 carries 4 marks each. Answer should not exceed 100 words.
- Question nos. 28-30 carries 5 marks each. Answer should not exceed 150 words.
- Question no. 31 is a map based question. Write its answer in the answer booklet.
- Question nos. 32-34 carries 6 marks each. Answer should not exceed 150 words.

-
-
- Name the countries included in South Asia.
 - Which part of Pakistan was created as Bangladesh?
 - Write full form of LTTE.
 - Name the agreement signed by the members of SAARC that promised the formation of a free trade zone for the whole of South Asia.
 - The UN was founded as a successor to which organisation?
 - Which UN agency is concerned with the safety and peaceful use of nuclear technology?
 - _____ is the present UN Secretary General.
 - Write the full form of UNHCR.
 - Give two examples of global security.
 - Is migration a threat to security? If yes, why?
 - What is cooperative security?
 - Mention the difference between arms control and disarmament.
 - What is Agenda 21?
 - Name any two treaties signed for the protection of Global commons.
 - Which two resources play a crucial role in resource geopolitics?
 - Who are indigenous people?
 - Which among the following best explains the reason for growing concerns about the environment:-
 - The developed countries are concerned about protecting nature.
 - Protection of the environment is vital for indigenous people and natural habitats.
 - The environment degradation caused by human activities has become pervasive and has reached a dangerous level.
 - None of the above.

18. Which of the statements are true about the causes of globalisation?
- Technology is an important cause of globalisation.
 - Globalisation is caused by a particular community of people.
 - Globalisation originated in the US.
 - Economic interdependence alone causes globalisation.
19. Which among the following would give more weightage to India's proposal for permanent membership in the Security Council?
- Nuclear capability.
 - It has been a member of the UN since its inception
 - It is located in Asia.
 - India's growing economic power and stable political system.
20. Name the first country to liberalise its economy in South Asia.
21. On what grounds India claims its permanent seat UNSC?
22. List two challenges to democracy in Nepal.
23. What is worldwide interconnectedness? What are its components?
24. Mention the four components of India's security strategy.
25. List the political and cultural consequences of globalisation.
26. Explain the new sources of threat to security.
27. Mention two areas each of cooperation and disagreement between India and Bangladesh.

28. Read the passage and answer the questions (2+2+1)

The growing focus on environmental issues within the arena of global politics was firmly consolidated at the United Nations Conference on Environment and Development held at Rio de Janeiro, Brazil in June 1992. This was also called the Earth Summit.....what was obvious at this summit was the rich and the developed countries of the first world generally referred to as the 'Global North' were pursuing a different environmental agenda than the poor and the developing countries of the III world called the 'Global South'. ...the differences in their approach culminated into the adoption of the principle called 'Common but differentiated responsibilities'.

- Why was the environmental concern of the first world different from that of the III world?
 - In what ways the principle of common but differentiated responsibilities helped in addressing and overcoming the differences between the 'Global North' and 'Global South'?
 - What do common but differentiated responsibilities mean?
29. Look at the cartoon and answer the questions:- (1+2+2)



Invading new markets

- d) What effect does the cartoon show?
- e) What is Mc Donaldisation?
- f) What does the cartoon depict?

30. Look at the cartoon and answer the questions:- (1+2+2)



- d) Name the organisation to which this logo belongs.
 - e) What do the olive branches signify?
 - f) Mention two functions of this international organisation.
31. Five places as A, B, C, D, E have been marked in the given world map. On the basis of given information, identify them and write correct names, serial number and related alphabet:
- a) 2/3 of people of this country are victim of HIV Aids.
 - b) Country which had to suffer huge loss due to 'Mad Cow' epidemic.
 - c) Country which attacked India in 1962.
 - d) Country that conducted nuclear test in 1974.
 - e) Country which attacked India in 1971.
32. 'The world realities have changed after the end of cold war'. Explain the statement.
33. Explain the traditional and non-traditional notion of security.
34. The most serious challenge before the states is pursuing economic development without causing further damage to the global environment. How could we achieve this? Explain with a few examples.

POLITICAL SCIENCE (028)
PROJECT WORK -XII

Prepare a project according to CBSE guidelines. Topics as discussed in the classroom.

Some suggested topics are:

1. The Lok Sabha Elections 2019 were hotly contested. Many parties were in the fray and the results have been declared. Analyse this election and submit a project report by answering the following:
 - a) Analyze the importance of elections in a democratic country.
 - b) Name of the parties contesting and their alliances along with their symbols.
 - c) Slogans used and highlights of their campaigns
 - d) The controversial and contentious issues that have been a part of the elections. e) Analysis of result with help of piechart. Any of these points (a-e) can be used a separate project while analyzing all Loksabha elections of the country so far.

2. Partition- Theory behind it and its legacy
3. State Reorganisation– Do we still require it?
4. Election Commission- its changing role and importance
5. One Party Dominance-Congress to BJP post 2014 (depending upon the election results)
6. Change in India's Foreign Policy
7. India's relation with its neighbours- any one country can be studied
8. Emergency- Reasons and Consequences
9. Popular movements- Any one movement can be used from chapter 6 and a relation drawn with the any current protest on that issue
10. Regional Aspiration – Separatist Movement- Kashmir
11. Role of Regional Parties- A detailed study of any one
12. Naxalite Movement- How can government address the problem
13. Politics of Reservation in India- Constitution- SC and ST, Mandal- OBC, NDA- EWS
14. Coalition Politics- Study of UPA and NDA
15. Cold war- Is the world heading to Cold war 2- USA and China
16. Post-Soviet Republics- Life after Disintegration
17. EU- Brexit
19. UN and its agencies
20. Environment- Sustainable development- Need of the hour
21. Globalisation – Eco, Pol., and Cultural Impact on Third World Any other topic based on the syllabus.

General Instructions:

1. Project has to be individual.
2. It should be a handwritten project on a A4 size sheet.
3. Project should be summed up in 10-15 pages.
4. It should be well researched based on facts and figures and pictorial
5. The project must have a Table of contents, Title/ Cover page, Acknowledgement, Bibliography, Analysis with headings and sub-headings.
6. It must include relevant news clippings, facts and figures, pictures.
7. You can plan a survey or an interview to support your research.
8. As per CBSE suggestive list of activities are Role Play, Presentation, Model, Field Survey, Mock Event etc.

HISTORY

Range of Topic for Project Works (based on theme of NCERT)

1. **Indian constitution**
2. **Partition of India and Pakistan**
3. **Bhakti and Sufi Movement**
4. **Indus Valley Harappan Civilization**
5. **Maha Bharat**
6. **Gandhi and the national movement**
7. **Akbanama: Ain- I Akbari**
8. **Vijaynagar Empire**
9. **Mughal Architecture**
10. **Depiction of Mughal period through painting**

These are instruction:

1. Each of the student will prepare the individual project no any group concept .
2. Page Limit 30. Along with Front page, Acknowledgement page, Certificate , index and introduction pages.
3. You can choose A4 size colourful page .
4. No excessive decoration work is required but you need to do thematic art work .
5. All will prepare one small synopsis of project and they will dicuss with me before final draft .
6. All students will prepare 10 slides PPT of their project along with final project .
7. Its compulsory for all students no any second option .
8. Thematic and logical research is must required.
9. Don't do cut and paste.
10. Your project carry 20 marks for CBSE practical paper . So pleaes keep in mind to prepare the best project .

COMPUTER (IP & C.S.)

SUBJECT: INFORMATICS PRACTICES

PROGRAM FILE WORK

COMPLETE THE FOLLOWING PROGRAMS FOR BOARD PRACTICAL FILE

1. SERIES OF PANDAS (Any 12 PROGRAMS)
2. PYPLOT PROGRAMMING (Any 10 PROGRAMS)
3. ANY 5 TABLE BASED QUERIES

Note: Refer the Book lab practice for practical.

Assignment

MYSQL

Fill-ups (Solve)

1. SQL stands for _____. (Structure Query Language)
2. Two features of Database are integrity and _____.(Share/time saving/security)
3. Database is the collection of _____.(Table/ Records/ Data)
4. Table is the collection of _____.(Data/ Information/ Row/ Tuple)
5. One of the use of database is _____.(Sharing/analyses /access)
6. In RDBMS the character R and S stands for _____ and _____.(Relational, System)
7. Duplication of data is a one of the term of DBMS _____.(Data Redundancy)
8. What is the solution of Data Redundancy by using _____ clause.(Unique)
9. What type of SQL commands used to modify structure of table? (DDL)(Alter)
10. What type of SQL commands used to modify data/information in table? (DML)(Update)
11. What type of SQL commands used to modify data type and size of a field in a Table? (DDL)(Alter)
12. DDL based on _____ and DML based on _____. (Structure/Attribute/ degree, Information/row/tuple/Data/ Cardinality)
13. The layers of data independency are _____and _____. (logical, Physical)
14. Numbers of fields in table are known as _____. (Attribute/ degree)
15. Key Features of Primary key are _____ and _____.(Unique, Not null)
16. Drop command is the part of _____. (DDL)
17. Alter command is the part of _____. (DDL)
18. Create command is the part of _____. (DDL)

Differentiate between Explain with example (Unsolved)

1. DML and DDL
2. DML and TCL
3. DDL and TCL
4. Char and Varchar
5. Drop and Delete command
6. Count (Field Name/*) and count (distinct (field Name))/ count (distinct field Name)
7. In and not in
8. Like "Char/string%" and Like "%Char/string%"
9. Like "Char/string%" and Like "%Char/string"
10. Like "%Char/string" and Like "%Char/string%"
11. Delete and Truncate command
12. Alter and Update
13. AND and OR

Descriptive Explain with example (Unsolved)

Write Short note Using Example:

1. Between clause
 2. Order by clause
 3. Where clause
 4. Join clause
 5. Like clause
 6. Group by clause
 7. Having clause
 8. Aggregate functions
 9. Logical operators
 10. Relational Operators
1. Can you modify the field name in table a table? Explain with example (NO)
 2. Can you modify the Data Type of a field in table a table? Explain with example (Yes)
 3. Can you modify the size of a field in table a table? Explain with example (Yes)

SERIES

#1 Create a pandas series from a dictionary of values and an nd array.

#2. Given a Series, print all the elements that are above the 75th percentile.

#3 Create a Data Frame quarterly sales where each row contains the item category, item name, and expenditure. Group the rows by the category

#4. Create a data frame for examination result and display row labels, column labels data types of each column and the dimension

Data Handling Using Pandas

1 What will be the output of following code-

```
import pandas as pd
```

```
s1=pd.Series([1,2,2,7,'Sachin',77.5])
```

```
print(s1.head())
```

```
print(s1.head(3))
```

2 Write a program in python to find maximum value over index in Data frame.

3 What are the purpose of following statements-

1. df.columns
2. df.iloc[:, :-5]
3. df[2:8]
4. df[:]
5. df.iloc[:-4, :]

4 Write a python program to sort the following data according to ascending order of Age.

Name Age Designation

Sanjeev 37 Manager

Keshav 42 Clerk

Rahul 38 Accountant

5 Write a python program to sort the following data according to descending order of Name.

Name Age Designation

Sanjeev 37 Manager

Keshav 42 Clerk

Rahul 38 Accountant

6 Which of the following thing can be data in Pandas?

1. A python dictionary
2. An nd array
3. A scalar value
4. All of above

7 All pandas data structure are _____ mutable but not always _____ mutable.

1. Size, value
2. Semantic, size
3. Value, size
4. None of the above

8 Data and index in an nd array must be of same length-

1. True
2. False

9

3.

What is the output of the following program?

```
import pandas as pd
```

```
df=pd.DataFrame(index=[0,1,2,3,4,5],columns=['one','two'])
```

```
print df['one'].sum()
```

10 What will be the output of following code:

```
Users.groupby('occupation').age.mean()
```

1. Get mean age of occupation

SUBJECT: COMPUTER SCIENCE

Assignment

1	„Welcome“ is _____ literals
2	\$ symbol can be used in naming an identifier (True/False)
3	Write any 2 data types available in Python
4	„Division by zero“ is an example of _____ error.
5	range(1,10) will return values in the range of _____ to _____
6	randint(1,10) will return values in the range of _____ to _____
7	“Computer Science”[0:6] = _____ “Computer Science”[3:10] = _____ “Computer Science”[::-1] = _____ “Computer Science”[-8:] = _____
8	Output of : print(“Ok”*4 + “Done”)
9	Output of : print(print(“Why?”))
10	Raj was working on application where he wanted to divide the two number (A and B) , he has written the expression as $C = A/B$, on execution he entered 30 and 7 and expected answer was 4 i.e. only integer part not in decimal, but the answer was 4.285 approx, help Raj to correct his expression and achieving the desired output. Correct Expression :
11	Can you guess the output? C = -11%4 print(C)
12	Write 2 advantages and disadvantages of Python programming language
13	Identify the valid and Invalid identifiers names : Emp-Code, _bonus, While, SrNo. , for, #count, Emp1, 123Go, Bond007@
14	Identify the type of literals for each: (i) 123 (ii) „Hello“ (iii) „Bye\nSee You“ (iv) „A“ (v) 345.5 5 (vi) 10+4j (vii) 0x12

15	<p>What is the size of each string?</p> <p>(i) „Python“ (ii) „Learning@\nCS“ (iii) „\table“</p>
16	<p>Output of :</p> <p>(i) True + True = (ii) 100 + False = (iii) -1 + True = (iv) bool(-1 + True) =</p>
17	<p>Output of</p> <p>(i) 2 * 7 = (ii) 2 ** 7 = (iii) 2**2**3 = (iv) 17 % 20 = (v) not(20>6) or (19>7) and (20==20) =</p>
18	<p>Output of :</p> <pre>a,b,c = 20,40,60 b+=10 c+=b print(a,b,c)</pre>
19	<p>Write a program to enter 2 number and find sum and product</p>
20	<p>Write a program to enter temperature in Fahrenheit and convert it in Celcius</p>
21	<p>Write a program to enter any money and find out number of denominations can be used to make that money. For e.g. if the money entered is 2560</p> <p>Then output should be 2000 = 1</p> <p>500 = 1 200 = 0 100 =0 50 =1 20 = 0 10 = 1 5 = 0 2 = 0 1 = 0</p> <p>Hint : use % and // operator</p>

22	<p>Consider a list:</p> <pre>MyFamily = ["Father","Mother","Brother","Sister","Jacky"]</pre> <ul style="list-style-type: none"> ✓ write statement to print "Brother" ✓ write statement to print all items of list in reverse order ✓ write statement to check "Sister" is in MyFamily or not ✓ write statement to update "Jacky" with "Tiger" ✓ write statement remove "Jacky" from MyFamily and also print it ✓ write statement to add "Tommy" in MyFamily at the end
23	<p>Consider a Tuple:</p> <pre>Record = (10,20,30,40)</pre> <p>Raj wants to add new item 50 to tuple, and he has written expression as</p> <pre>Record = Record + 50,</pre> <p>but the statement is giving an error, Help Raj in writing correct expression.</p> <p>Correct Expression :</p>
24	<p>What is the difference between List and Tuple?</p>
25	<p>What is the difference between List and String?</p>
26	<p>What is ordered and unordered collection? Give example of each</p>
27	<p>Consider a Dictionary</p> <pre>Employee = {"Empno":1,"Name":"Snehil","Salary":80000}</pre> <p>Write statements:</p> <ul style="list-style-type: none"> (i) to print employee name (ii) to update the salary from 80000 to 90000 (iii) to get all the values only from the dictionary
28	<pre>Num = 100 Isok = False print(type(Num)) = print(type(Isok)) =</pre>
29	<p>Name the Python Library module which need to be imported to invoke the following function:</p> <ul style="list-style-type: none"> ✓ floor() ✓ randrange() ✓ randint() ✓ sin()
30	<p>Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code.</p> <pre>30=To for K in range(0,To) IF k%4==0: print (K*4) Else: print (K+3)</pre>
	<p>Rewrite the following code in python after removing all syntax</p>

31	<p>error(s). Underline each correction done in the code:</p> <pre>a=5 work=true b=hello c=a+b FOR i in range(10) if i%7=0: Continue</pre>
32	<p>Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code:</p> <pre>for Name in [Ramesh,Suraj,Priya] IF Name[0]='S': print(Name)</pre>
33	<p>Rewrite the following code in python after removing all syntax error(s). Underline each correction done in the code:</p> <pre>a=b=10 c=a+b While c=<20: print(c,END="*") c+=10</pre>
34	<p>Choose the correct possible answer(s)</p> <pre>a = random.randint(1,5) b = random.randint(1,3) c = random.randint(2,6) print(a,b,c)</pre> <p>(i) 2 1 3 (ii) 4 4 4 (iii) 3 2 1 (iv) 5 3 5</p>
35	<p>What is type conversion in Python? What are different types of conversion? Illustrate with example.</p>
36	<p>Fill in the blanks to execute infinite loop:</p> <pre>While : print("spinning")</pre>
37	<p>Write a program to enter any number and check it is divisible by 7 or not</p>
38	<p>Fill in the blanks to execute loop from 10 to 100 and 10 to 1</p> <p>(i)</p> <pre>for i in range(): print(i)</pre> <p>(ii)</p> <pre>for i in range(): print(i)</pre>
39	<p>What will be the output if entered number (n) is 10 and 11</p> <pre>i=2 while i<n: if i % 5==0: break print(i) else: print("done")</pre>

40	<p>What will be the difference in output</p> <p>(i)</p> <pre>for i in range(1,10): if i % 4 == 0: break print(i)</pre> <p>(ii)</p> <pre>for i in range(1,10): if i % 4 == 0: continue print(i)</pre>
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PROGRAM FILE WORK

Practical File (CBSE Board):- Dear students you have to prepare a practical file for board evaluation. A sample how you have to write the code with output is given here in program

1. The same format you have to follow in all programs . 5 questions will be same as I have given. After that you have to do different questions based on list, string , tuple and functions , dictionaries.

1.	<p><i>Program 1: Input any number from user and calculate factorial of a number.</i></p> <p><i># Program to calculate factorial of entered number</i></p> <p><u>Here is the code for above program</u></p> <p><u>OUTPUT</u></p> <pre>Enter any number :6 Factorial of 6 is : 720</pre>
2.	<p><i>Program 2: Input any number from user and check it is Prime no. or not</i></p>
3.	<p><i>Program : Write a program to find sum of elements of List recursively</i></p>
4.	<p><i>Program : Write a program to calculate the nth term of Fibonacci series</i></p>
5.	<p><i>Program : Program to search any word in given string/sentence</i></p>

OPTIONAL II

विषय- हिन्दी

हिन्दी परियोजना कार्य

1. हिन्दी साहित्य के प्रसिद्ध साहित्यकारों में से किन्हीं तीन साहित्यकारों के जीवन परिचय एवं साहित्यिक विशेषताओं का परिचय देते या हुए उनकी प्रमुख रचनाओं के साथ चित्र सहित एक परियोजना तैयार करें
2. जनसंचार के माध्यम रेडियो, टेलीविजन, समाचार-पत्र, इंटरनेट आदि वर्तमान समय में परस्पर संपर्क कार्य करने में महत्वपूर्ण भूमिका निभाते हैं। इन माध्यमों में से किन्हीं दो माध्यमों की पूर्ण जानकारी प्राप्त करें व चित्र सहित रूपरेखा तैयार करें

FINANCIAL MARKET MANAGEMENT (805)

PROJECT WORK

VIRTUAL TRADING OF SHARES THROUGH SBTS

The purpose of this project is to teach school students the values of investing and utilising the stock market. This project also teaches important lessons about the economy, mathematics and financial responsibility.

The basis of this project is to learn about the stock market while investing a specified amount of fake money in certain stocks. Students then study the results and buy and sell as they see fit.

This project will also guide the students and provide them with the supplies necessary to successfully monitor stock market trends and will teach students how to calculate profit and loss on stock.

VIRTUAL TRADING APP: **STOCK TRAINER- VIRTUAL TRADING (STOCK MARKETS)**

The students are expected to:

- a) Develop a brief report on History of Stock Exchanges in India. (your country)
- b) Prepare a list of at least 25 companies listed on a Stock Exchange.
- c) To make an imaginary portfolio totalling a sum of Rs. 50,000 equally in any of the 5 companies of their choice listed above over a period of twenty working days.

The students may be required to report the prices of the stocks on daily basis and present it diagrammatically on the graph paper.

They will understand the weekly holidays and the holidays under the Negotiable Instruments Act.

They will also come across with terms like closing prices, opening prices, etc.

During this period of recording students are supposed to distinctively record the daily and starting and closing prices of the week other days under the negotiable instrument act so that they acquire knowledge about closing and opening prices.

The students may conclude by identifying the causes in the fluctuations of prices.

Normally it would be related to the front page news of the a business journal, for example,

- Change of seasons.
- Festivals.
- Spread of epidemic.
- Strikes and accidents Natural and human disasters.
- Political environment.
- Lack of faith in the government policies.

- Impact of changes in government policies for specific industry.
- International events.
- Contract and treaties at the international scene.
- Relations with the neighbouring countries.
- Crisis in developed countries, etc.
- The students are expected to find the value of their investments and accordingly rearrange their portfolio.

The project work should cover the following aspects;

1. Graphical presentation of the share prices of different companies on different dates.
2. Change in market value of shares due to change of seasons, festivals, natural and human disasters.
3. Change in market value of shares due to change in political environment/ policies of various countries/crisis in developed countries or any other reasons
4. Identify the top ten companies out of the 25 selected on the basis of their market value of shares. It does not matter if they have made profits or losses.

ASSESSMENT Allocation of Marks = 20 Marks

The marks will be allocated under the following heads:

1 Initiative, cooperativeness and participation	- 2 Marks
2 Creativity in presentation	- 2 Marks
3 Content, observation and research work	- 4 Marks
4 Analysis of situations	- 4 Marks
5 Viva	<u>- 8 Marks</u>
Total	<u>20 Marks</u>

PHYSICAL EDUCATION (048)

Record File shall include:

Practical-1:

Fitness tests administration for all items. (Unit-6)

Practical-2:

Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease. (Unit-2)

Practical-3:

Procedure for administering Senior Citizen Fitness Test for 5 elderly family members. (Unit-6)

Practical-4:

Any one game of your choice out of the list above. Labelled diagram of field & equipment (Rules, Terminologies & Skills).

List of sports/games: - Basketball, Football, Kabaddi, Kho-Kho, Volleyball, Handball, Hockey, Cricket, Bocce & Unified Basketball [CWSN (Children with Special Needs - Divyang)]

Note:

*Only physical education practical files will be used.

*All the headings and sub-headings should be bold or highlighted.

*Hand writing should be neat and clean.

*All the diagrams (playfield, court, table, equipment etc.) of sports/games should be draw by the pencil with full specifications.

PAINING

1. Nature and Object Study

Do practice of two or three natural and geometric forms in pencil and in colour with light and shade from a fixed point of view. Use natural forms like plants, vegetables, fruits and flowers etc. and use geometric forms of objects like cubes, cones, prisms, cylinders and spheres and two draperies (in different colours) for background and foreground.

(Three works to be done in different composition. Each work to be done on half imperial size cartridge sheet)

2. Painting Composition

Do practice of imaginative painting based on subjects from Life and Nature in water and poster colours.

(Three works to be done. Each work to be done on half imperial size cartridge sheet)

Do practice of **RAPID SKETCHING** also.

Make a **PORTFOLIO** of these works.