

ST. ST.MARY'S SCHOOL MIRZAPUR
SUMMER HOLIDAY ASSIGNMENT 2025 – 26
CLASS NURSERY

Kindly give maximum practice to read, learn and write in rough copy.

English

Read, learn, write and recognize capital letters A to H with the help of the pictures.

Maths

Numbers from 1 to 10 read, learn and write, Count the objects and tell the correct numbers.

English Rhymes learn (Oral) Pg. no. 71 Let us pray, Early to bed,

Pg. no. 73 Johny Johny Yes Papa

Hindi Rhymes Pg. no. 76 विनती, तितली

Hindi अ आ इ ई पढ़ना ,लिखना व चित्रों के माध्यम से सही अक्षर पहचानना।

Story learn(Oral) (प्यासा कौआ)

English conversation learn (Oral)

Q 1. What is your name?

Q 2. How are you?

Q 3. In which class do you study?

Q 4. Where do you live?

Q 5. What is the name of your class teacher?

CLASS LKG

(Kindly give your ward little more practice to read ,write and learn.)

English

1. English Activity Book - Page number 7 to 19 .
2. English Work Book (All for kids Capital Letters) - Page number 2 to 5.

Hindi

1. Crazy Kids Book - page number 3 to 11.

Maths

1. Maths Activity Book (small Book) - Page number 51 to 60 and page number 111 to 130.
2. Maths Activity Book for mathematics (work Book) page number 30 to 34.

Scrapbook

1. Paste your own family photograph .
2. Paste any five pictures of shapes and also write their name.
3. Paste any five pictures of colours and also write their name.
4. Paste any five pictures of vegetables and also write their name.
5. Paste any five pictures of animals and also write their name.
6. Paste any five pictures of fruits and also write their name.
7. Paste any five pictures of things in the classroom and also write their name.
8. Paste any five pictures of Birds and also write their name.
9. Paste any five pictures of means of transports and also write their name.
10. Paste any five pictures of gadgets at home and also write their name.

(Kindly ensure that your ward completes and Submits it to the class teacher within time)

CLASS UKG

Kindly give your ward little more practice to read , write and learn.

(Please do the work in rough copy.)

ENGLISH - To learn and write

- * Capital cursive writing A to Z
- * Small cursive writing a to z
- * English dictation words

Reading book (Vowels and Consonants)

Sound of vowels - a,e, i , o,u.

MATHS - To learn and write

- * Counting numbers -1 to 300
- * Number names - 1 to 30
- * Table of - 2, 3, 4,

SCIENCE -To learn and write

- * Chapter - 1 My Self
- * Chapter -2 My Family

HINDI - To learn and write

- * दो अक्षर, तीन अक्षर, चार अक्षर वाले शब्द और उनके सभी कार्य।
- * Hindi reading Page No - 4, 5, 6, 8,

(Kindly ensure that your ward complete and submits it to the class teacher within time.)

CLASS : I

ENGLISH - I (GRAMMAR)

1. Define Naming Words. Paste the pictures and write the names of any five persons, places, animals and things in your scrapbook.
2. Learn question answers of chapter 1.

ENGLISH – II (LITERATURE)

1. Write the poem “NO – NO Bird” in your scrapbook.
2. Learn question answers of chapter 1,2 and 3.

ENGLISH CURSIVE WRITING

Complete cursive writing till page no. 30

MATHS

1. Write Roman numbers from 1 to 10 in your scrapbook.
2. Solve page no. 4,5,6,7 and 8 in your table book.
3. Learn tables 2 to 5.

EVS

1. Draw or paste five good food eating habits in your scrapbook.
2. Learn question answers of chapter 1,2 and 3

COMPUTER

Draw, colour and label a computer system in your computer copy.

HINDI

1. पाँच पेज सुलेख हिंदी कॉपी में लिखिए ।
2. आठ लाइन कविता याद करो । (पापा बतलाओ न.....)
3. हिन्दी व्याकरण में पाठ 1 और 2 प्रश्न उत्तर याद करें ।

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Class II

English I (Grammar)

1. Write and learn the definitions of the following along with two examples in your scrapbook
 - a) Word (refer pg no. 12)
 - b) Sentence (refer pg no.15)
 - c) Naming words(refer pg no. 21)
 - d) Masculine gender (refer pg no. 33)
 - e) Feminine gender (refer pg no.33)
2. Paste a photograph of your mother and write 5 sentences on "My Mother" in your scrapbook.

English II (Literature)

1. Cut out different shapes of colourful papers and make an ice cream.
Paste in scrapbook and write your five favourite flavours of it.
2. Write three words of each of the following sounds in scrapbook.
tr gr br cr sn sc
(Refer page no. 14 of your book.)
3. Learn and write the name of babies of these animals in your scrapbook .
bear , lion , tiger , fish , dog , otter , seal , mouse , rat , fox , wolf , cow ,
elephant , reindeer , walrus , whale , eagle. (Refer page no. 12 of your book.)
4. Learn ten lines of each poem.
(Ch-1 The Squirrel & Ch-3 My Ice cream is Melting)
5. Learn word meanings,question answers and book exercises from Ch-1 to 3.

English Cursive Writing

Complete till page no.30.

Maths

1. Write ordinal numbers from 1 to 20 in scrapbook.(Refer page no. 20 of your book)
- 2.Paste or draw pictures of three objects of each of the following shapes in scrapbook.
(1) Cube (2) Cuboid (3) Cone (4) Cylinder (5) Sphere
3. Learn tables 2 to 15.

Environmental Science

1. Draw and label any 5 parts of your body in your scrap book.
2. Collect the picture of your family members or grandparents and create life cycle of a human (scrap book)
3. Make a list of 5 good habits you follow every day to stay healthy. (scrap book)
4. Learn all the question answers and book exercises from Ch-1 to 4.

Hindi I

1. पाठ-1, 2, 7 और 10 की परिभाषा याद करके रफ़ कॉपी में लिखिए।

Hindi II

1. पाठ-1 अच्छे बच्चे कविता की 8 पंक्तियाँ याद करके कक्षाकार्य की कॉपी में लिखिए।
2. पाठ-1 से 5 तक शब्दार्थ याद करें।

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Class III

English I (English Grammar)

1. Learn and write the definitions of Lesson: 2 & 4.
2. Revise the exercises of Lesson: 2 , 3 & 4.
3. Do handwriting from page:16 to 30 in your English Cursive writing book.

English II (English Literature)

1. Learn the word meanings of Lesson 2 & 3.
 2. Learn and write ten lines of the poem : Wind on the Hill.
- Note: You are requested to complete the homework of English in a separate holiday homework copy.

Mathematics

1. Write table 11 to 20 in separate thin copy.
2. Revise chapter 1,2&3.

Science

1. Learn the book exercises and question-answers of L- 2 & 3.
2. Draw the diagram of 'Life Cycle of a Butterfly ' in your Science copy.

Social Studies

1. Learn and write all the word meanings of Chapter: 1, 2, 3 & 4.
 2. Practise and draw the diagram of any three means of transport.
- Note: You are requested to complete the holiday homework in a separate holiday homework copy.

Computer

1. Draw any 8 hardware devices and write their name in computer classwork copy.
2. Learn lesson-1(A computer system) .(Book exercises and questions answer).

Hindi

हिन्दी – I

1. पाठ – 1, 2, 3 की परिभाषा याद करके रैफ़ कॉपी में लिखिए।

हिन्दी – II

1. “सावन का महीना” कविता की आठ पंक्तियाँ याद करके कक्षा कार्य की कॉपी में लिखिए।
2. शब्द—अर्थ पाठ – 1 से 5 तक याद करके रैफ़ कॉपी में लिखें।

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Class IV

English I

1. Learn and write the definitions given in Lesson 3 and 6.
2. Learn the exercise of Lesson 3, 4 and 5.
3. Do handwriting from page 16 to 30 in your English Cursive Writing book

English II

1. Learn the word meanings of Lesson 2, 4 and 5.
2. Learn and write the poem : An Elephant Is Hard to Hide.

Note- You are requested to complete the homework of English in a separate holiday homework copy.

Mathematics

1. Learn and write tables from 11 to 20.
2. Practice exercises every day of Chapter 3.

Science

1. Learn and revise book exercises and question- answers of chapter 2 and 3.
2. Draw any two terrestrial animals and two aquatic animals in your Science copy.

Social Studies

1. Learn the question- answers of chapter 1, 2, 3 and 4.
2. Learn the word meanings of chapter 1, 2, 3 and 4.
3. Make a 3D model of the Earth.

Hindi I

पाठ 1 , 2 व 3 की परिभाषा याद करके रैफ कॉपी में लिखिए।

HINDI II

‘पर्वत कहता’ कविता की आठ पंक्तियाँ याद करके कक्षा कार्य की कॉपी में लिखिए।
शब्द – अर्थ पाठ 1 से 5 तक याद करके रैफ कॉपी में लिखें।

Computer

1. Draw the diagram of -Types of Computer Memory on a chart paper.
2. Learn question- answers and book exercises done in the class.

ST.MARY'S SCHOOL MIRZAPUR
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CLASS V

MATHEMATICS

1. **LEARN TABLE FROM 2 TO 20.**
2. **PRACTICE EXERCISES FROM CHAPTER 1 TO 5**

Note:- Do it in your rough copy.

English Language :-

* Learn all the definitions from Ch-2 to 7

* Learn all the book exercises from Ch-1 to 5

* Write a short Paragraph on the topic- “The Power of Kindness”... in your holiday homework notebooks.

English Literature:-

* Learn all the word meanings from Ch-1 to 5

* Learn ten lines of the poems- “Mr.Nobody” and “From a Railway Carriage”

* Do one page cursive writing daily in your cursive writing books.

Social Studies-

*Learn the Q/Ans of Ch-1 to 3

*Learn the word meanings of Ch-1 to3

*Draw the diagrams of three “Modern means of Communication” and three “Modern means of Transport” in your holiday homework notebook...

COMPUTER

□ Make a chart on 5 generation of computers on the basics of period main components and characteristics and shown on page number 14 of your book.

□ Learn the book exercise and Questions and answers from your copy.

Hindi

Hindi I – 1st Term पाठ्यक्रम के अनुसार शब्द-भंडार याद कीजिए।

Hindi II – 1- पाठ 1 से 3 तक अभ्यास कार्य याद कीजिए।

2- 15 पेज सुलेख रफ़ कॉपी में लिखिए।

Sanskrit

पाठ्यक्रम के अनुसार ‘शब्द रूप’ व ‘धातु रूप’ लिखिए और याद कीजिए।

SCIENCE

1. Learn word meaning of chapters- From 1 to 3

2. Learn exercises and Q/A of chapters- From 1 to 3.

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CLASS : VI

1. Mathematics:

Complete Multiple-choice questions and Mental Maths of Chapter 1,2,3,7,14,24 in a separate copy.

2. Physics:

Que.1 Write the properties of Solid, liquid and gas.

Que. 2 Name the instrument used for measuring the temperature of a person. Draw it's neat & labelled diagram.

Que. 3 Express in second

- a) 3 minutes 15 second
- b) 5 Hr 2 min 5 second
- c) 8 Hr 3 min 35 second

Que.4 Change the following terms as given below:

- a) 0.2 cm = ____mm.
- b) 3 feet= ____ inches.
- c) 1 mg= ____ kg.

Que.5 What is Boiling and Melting explain with example?

3. Chemistry:

Learn and write in rough copy

Table 2.2 a, b, c

Table 2.3

Table 2.9

Table 2.10

4. Biology:

i) Learn science lexicon from 1 to 20.

ii) Learn question answers of lesson 1 and 7 and practice all the diagrams of 1st chapter in rough copy.

5. Computer:

i) Learn Chapter 1 &2.

ii) Write file format in class work copy from page-16.

iii) Write full forms from chapter -1

PC, PDA, RAM, ROM, MLL, ALL, HLL, 4GL, 5GL, LCD

6. English Literature:

i) Write and learn summary of poems 'Granny's Little Laptop' and 'Woodman Spare that Tree'.

ii) Write and learn word meanings of chapters 1 to 6.

iii) Learn all the answers and exercises of the chapters taught in the class.

Make a separate copy.

7. English Language:

i) Learn all the definitions of grammatical topics taught in the class.

ii) Write and learn all commonly confused words.

iii) Write a sick leave letter.

iv) Write an informal letter to invite your friend for your birthday party.

Make a separate copy.

8. Geography:

Answer the following questions:

1. Define and draw a globe? How is it different from a map?

2. What is an atlas? List any two advantages of using an atlas.

3. Name and explain the main elements of a map.

4. Draw important conventional symbols from *Chapter 1: Mapping the Earth*. (Page no. 15)

Make a separate holiday homework copy.

9. History:

Answer the following questions:

1. What is civilisation?

2. Name the four major civilisations of the Bronze Age and paste their pictures.

3. Why did people choose to settle down along the river banks?

4. What are the Ziggurats?

5. Mark and label the four major civilisations on a world map.

Make a separate holiday homework copy.

10. Hindi:

Hindi 1

Term I परीक्षा के निर्धारित पाठ्यक्रम के अनुसार शब्द भंडार याद करना है।

Hindi 2

पाठ 1 से 3 तक पूरा याद करना है।

‘प्रातः भ्रमण के लाभ’ नामक शीर्षक पर निबंध लिखिए। (लगभग 150 शब्दों में)

11. Sanskrit:

पाठ 1 से 3 तक और जमतत परीक्षा के निर्धारित पाठ्यक्रम के अनुसार शब्द रूप एवं धातु रूप को याद करना है।

ST.MARY'S SCHOOL MIRZAPUR
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CLASS-VII

ENGLISH-I

1. Learn all the definitions of the grammatical topics coming in your first term syllabus.
2. Do practice for words often confused and words followed by appropriate prepositions. (Chapters 18 and 19)
3. Learn and write all the synonyms and antonyms in holiday homework copy.
4. Write a sick leave letter.
Make a separate copy.

ENGLISH-II

1. Write and learn summary of poems: Scaffolding and More about People
2. Write all the word meanings of chapters 1 to 6.
3. Do practice of all the book exercises of the chapters taught in the class.
Make a separate copy.

HINDI-I

Term I परीक्षा के निर्धारित पाठ्यक्रम के अनुसार शब्द भंडार याद करना है।

HINDI-II

पाठ 1 से 3 तक पूरा याद करना है।

‘जीवन में खेलों का महत्व’ नामक शीर्षक पर निबंध लिखिए। (लगभग 150 शब्दों में)

SANSKRIT

पाठ 1 से 3 तक और Term I परीक्षा के निर्धारित पाठ्यक्रम के अनुसार शब्द रूप एवं धातु रूप को याद करना है।

MATHEMATICS

Complete Multiple choice questions and mental Maths of Chapter 1,2,3,,4,5,6,7 in a separate copy.

CHEMISTRY

1. Learn and write in rough copy
Table 3.1
Table 3.2
2. Draw in fair copy
Distillation
Separating funnel
Fractional distillation

BIOLOGY

1. Learn science lexicon (1 to 20)
2. Learn question answers and practice all the diagrams of chapter -1 and chapter -2 in rough Copy.

PHYSICS

Note: Do this work in fair copy.

Que.1 Name two devices which are used to measure the volume of an object. Draw their neat diagrams.

Que.2 A car travels a distance of 15km in 20 minute. Find the speed of the car in a) km/hr. b) m/s

Que.3. Explain oscillatory motion by giving one example.

Que.4 How do you determine the average speed of a body in non uniform motion.

Que.5 State three differences between mass and weight.

COMPUTER

1. Learn chapter 1 & 5.
2. Draw and explain components of MS Excel in class work copy.

HISTORY

- Learn question answers of lesson 1&2(History)
- Write 10 lines on each and also paste 2-photos related to each topic.

*Christianity

*Islam

*Hinduism

*Sikhism

Note: Prepare a separate copy for the same.

GEOGRAPHY

1. Draw and practice conventional sign and symbols given in chapter 1.
2. Draw and label the layers of atmosphere.
3. Europe can be divided into how many climatic regions? Write in detail.
4. Learn all the answers and exercises of chapters 1,2 and 7

Note- Make a separate holiday homework copy.

ST.MARY'S SCHOOL MIRZAPUR
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CLASS VIII

Geography

1. Draw and practice conventional sign and symbols given in chapter 1.
2. Define the following Brain drain, pull factors, push factors .
3. Write about the positive and negative impact of Migration.
4. Learn all the answers and exercises taught in class.

Note- write the above in separate holiday homework copy.
Holiday homework 2025

English language

- 1) Write a leave letter. (formal letter)
- 2) Write and learn commonly confused words.
- 3) Learn and write all the words followed by preposition given in lesson 19.

English literature

- 1) Write and learn all the word meanings of lesson 1-6.
 - 2) Learn all the answers and exercises of the chapters taught in the class.
- Note- make a separate copy and write the above.

Physics

1. Write the difference between the properties of Solid, liquid and gas.
2. Describe an experiment to determine the density by the help of density bottle.
3. Describe a suitable experiment to demonstrate the liquid exert pressure side wise.
4. Describe state of change of matter with help of flow chart .

Chemistry

1. Learn table 3.1 and write it in rough Copy from chapter 3rd.(page no-30)
2. Draw the Diagrams of following separation methods in rough copy:-
A)-Distillation (page no-34)
B)-Fractional Distillation (page no-35)

Computer

Learn chapter 1, 2 &3.

1. Write an algorithm and flow chart from the following –
Page-40 Ex-1, 2 (Algorithm and flow chart)
Page-45 Ex-1 (flowchart)
2. Draw a column chart and label its components from page-29.

Biology

- 1-Learn about communicable and non- communicable disease. And draw the table 8.1 (page n. 106)
- 2-To show that xylem conduct water and phloem transport food in the plant body. (Page n. 9)
- 3- Draw the well label diagram of male and female reproductive system.

Hindi

Hindi 1

Term I परीक्षा के निर्धारित पाठ्यक्रम के अनुसार शब्द भंडार याद करना है।

Hindi 2

पाठ 1 से 3 तक पूरा याद करना है।

‘ग्रीष्मावकाश’ नामक शीर्षक पर निबंध लिखिए। (लगभग 150 शब्दों में)

Sanskrit

पाठ 1 से 3 तक और Term I परीक्षा के निर्धारित पाठ्यक्रम के अनुसार षड् रूप एवं धातु रूप को याद करना है।

MATHS

1. Evaluate: $(5^{-1} \times 8^2) / (2^{-3} \times 10^{-1})$.
2. Find the value of 'm' for which $6^m / 6^{-3} = 6^5$?
3. Evaluate $[(1/2)^{-1} - (1/3)^{-1}]^{-1}$.
4. Simplify: $(-3)^5 \times (5/3)^5$.
5. Compare 7×10^{-6} and 129×10^{-7} .
6. The size of a plant cell is 0.00001275 m express it in standard form.
7. If the thickness of a paper sheet is 0.0016 cm, find the thickness of 100 sheets. Express the answer in standard form.
8. Find the value of $5^{-3} \times 1/5^3$.
9. Simplify $2^5 / 2^{-6}$.
10. Express 4^{-3} as a power with base 2.
11. Simplify and write the answer in exponential form: $(2^5 / 2^8)^5 \times 2^{-5}$.
12. Find the value of $(2/3)^{-2}$.
13. Simplify: $(5/8)^{-7} \times (8/5)^{-5}$.
14. Simplify $(-4)^{-10} \times (-4)^5$.
15. What is the reciprocal of 0.1?
16. What is the value of x in $5^x \div 5^{-3} = 5^5$?
17. Evaluate
 1. 2^{-2}
 2. $(-2)^{-2}$
 3. $(3/2)^{-5}$
18. Simplify and express the result in power notation with positive exponent.
 - (i) $(-2)^5 \div (-2)^4$
 - (ii) $(1/2)^2 \times (2/5)^2$
 - (iii) $(-5)^2 \times (3/5)$
19. Find the value of.
 - (i) $(4^0 + 4^{-1}) \times 2^2$
 - (ii) $(3^{-1} \times 9^{-1}) \div 3^{-2}$
 - (iii) $(11^{-1} + 12^{-1} + 13^{-1})^0$
20. Find the value of m for which $2^m \div 2^{-4} = 4^5$
21. Express the following numbers in standard form.
 - (i) 0.0000000015
 - (ii) 0.00000001425
 - (iii) 102000000000000000

Solution

Question 23. Express the following numbers in usual form.

- (i) 34.02×10^{-5}
- (ii) 9.5×10^5
- (iii) 9×10^{-4}
- (iv) 2.0001×10^8

HISTORY & CIVICS

Answer the Followings:

1. Write 100 words on how imperialism impacted that country socially and economically. Choose any one country that was colonized during the era of imperialism to give a base to your answer. (e.g., India, Africa, China).
2. How did the Renaissance and the Age of Exploration play a role in transition to the modern era?
3. Compare and Contrast Chart:

Make a table showing:

Before vs After the Industrial Revolution (at least 4 points).

How did it lead to imperialism (include 4 short points)?

4. Write a short note on the current President, Vice-President, and Prime Minister of India. Include:
Full name, Date of birth, their role and responsibility
5. Write a short note on the Lok Sabha, Rajya, and Speaker of Both houses. Include:
Composition, Power & Functions.

Note- Write the above in Separate Holiday Home work copy.

ST.MARY'S SCHOOL MIRZAPUR
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Class IX
Commercial Applications

Prepare a project file on the topic-

Visit 5 banks and find out from the concerned employee, the types of bank accounts being offered by them. Also find out, the procedure to open them.

Collect all the forms which a customer is required to fill before opening of the account and gather information about all types of proofs of identity which a customer has to furnish.

Note:- Use ruled A4 size sheets and make them into a spiral notebook

Hindi

व्याकरण

खण्ड क

1. प्रस्ताव लेखन— पृष्ठ संख्या – 64 (राष्ट्रभाषा हिन्दी) व्याकरण पुस्तक से
2. पत्र लेखन— पृष्ठ संख्या 150 क्रमांक संख्या— 34 व्याकरण पुस्तक से
3. अपठित गद्यांश – पृष्ठ संख्या— 202 क्रमांक संख्या— 16

व्याकरण संबंधी प्रश्न

10 पर्यायवाची शब्द, 10 विलोम शब्द , 10 अनेकार्थी , 10 मुहावरे एवं उनका वाक्य प्रयोग, 10 एकार्थक प्रतीत होने वाले शब्द।

खण्ड ख

साहित्य

गद्य – पाठ— बात अठन्नी की

कोई भी दो अवतरणों के चारों प्रश्नों के उत्तर सहित

पद्य पाठ— साखी

कोई भी दो अवतरणों के चारों प्रश्नों के उत्तर सहित

Economics

Prepare a project file on the topic-

- Main sectors of Indian economy.
- Write in detail about all the sectors, comparison among the different sectors etc.

Note:- Use ruled A4 size sheets and make them into a spiral notebook.

Biology

(Write in Biology lab manual)

- 1- Draw the diagram of ordinary compound microscope and describe it.
- 2- Differentiate between plant cell and animal cell with the help of diagram.
- 3- Classification of plant tissue and animal tissue in the form of flowchart.
- 4- Draw a bisexual flower, label it and write the functions of each labelling.
- 5- Diagrammatic representation of self pollination and cross pollination.

Environmental Science (EVS)

Make a file of 10 to 15 pages and describe the following topics-

- 1- Environmental Science
- 2- Sustainable community

- 3- Mutualism
- 4- Co-evolution
- 5- Extinction
- 6- Commensalism
- 7- Biomass
- 8- Water cycle
- 9- Nitrogen cycle
- 10- Carbon cycle

English Language

1. Write an essay on any topic of your choice in 350 words. (In copy)

Literature

1. Write the summary of 5 poems given in the syllabus.
2. Write the summary of 5 short stories given in the syllabus.
3. Write a character sketch of any of your favourite characters in Julius Caesar.
(Write in pages and do spiral binding)

GEOGRAPHY

1. Write about internal composition of earth (crust, mantle, core)
2. Write about Gutenberg and Mohorovicic discontinuity.
3. Draw diagrams related to the above.
4. Do it in File.
5. Paste three pictures of world map and mark the Natural regions 1, 2 and 3.

HISTORY

1. Write about Jainism and Buddhism

i. Jainism

- Sources
- Doctrines
- Impact

ii. Buddhism

- Teachings
- Code of Conduct
- Impact

CIVICS

1. Write about following:-

- Single Citizenship
- Universal Adult Franchise
- Important Writs

2. Paste pictures related to above and Do it in File.

Mathematics

1. Compound interest (without using formula) do any five question .
2. Compound interest (using formula) do any five questions .
3. Write all formula related to expansion and also give example
4. Write all method of factorization with example
5. Indices and logarithmic formula with examples
6. Write All trigonometric formula with example
7. Graphical solution- example 3 and 5.

Computer

- 1) Learn chapter 1 and 3
- 2) Complete the exercises and subjective questions of chapter 1, 3 and 4

CHEMISTRY

Write (in lab manual) and learn

1. Table 1.4: list of some common electro positive ions.
2. Table 1.5: list of some common electronegative ions
3. Page 20(1c) Q2. Complete the following table.
4. Identification of gases; CO_2 , SO_2 , Cl_2 , HCl , H_2 , NO_2 , H_2S , NH_3 and water vapour on the basis of colour, odour, nature (litmus test) and one chemical test.

PHYSICS

PROJECT FILE ON TOPIC ‘ NEWTON ‘ LAWS AND APPLICATION ‘

CONTENT PAGES AROUND 10

FRONT PAGE SHOULD BE PRINTED SHOWING PROJECT TITLE, SCHOOL NAME, NAME OF STUDENT, CLASS, SECTION AND SESSION

THREE BLANKS FOR SIGNATURE OF THE PRINCIPAL, EXAMINER AND TEACHER

Introduction, index, reference and conclusion pages should be placed at proper position.

Project should be hand written without colorful decoration. It should be SPIRAL BOUND.

ST.MARY'S SCHOOL MIRZAPUR
SUMMER HOLIDAY ASSIGNMENT 2025 – 26
Class X

Mathematics

1. Banking formula with one example.
2. Linear inequations example 12 and 13 .
3. Write Quadratic formula and solve one question on it.
4. Properties of proportion with one example
5. Condition of similarity with one example
6. Cylinder, cone and sphere formula (C.S.A, T .S.A and Volume)
7. Trigonometric formula with one example
8. Measure of Central tendency , example 20 ,24 and 27

PHYSICS

PROJECT FILE ON TOPIC ' LIGHT AND APPLICATION ' CONTENT PAGES AROUND 10

FRONT PAGE SHOULD BE PRINTED SHOWING PROJECT TITLE, SCHOOL NAME, NAME OF STUDENT, CLASS, SECTION AND SESSION

THREE BLANKS FOR SIGNATURE OF THE PRINCIPAL, EXAMINER AND TEACHER

Introduction, index, reference and conclusion pages should be placed at proper position.

Project should be hand written without colorful decoration

Biology

Q1. ARRANGE THE GIVEN TERMS IN CORRECT SEQUENCE-

1. Spongy cells, Upper epidermis, Stoma, Palisade tissue, Substomatal space
2. Metaphase, Telophase, Prophase, Anaphase, Cytokinesis
3. Spongy cells, Upper epidermis, Stoma, Palisade tissue, Substomatal space
4. Endodermis, Cortex, Soil water, Xylem, Root hair.
5. Water molecules, oxygen, grana, hydrogen and hydroxyl ions, photons.
6. Karyokinesis, S phase, Cytokinesis, G1 phase, G2 phase, (cell cycle).
7. Xylem, Soil water, cortical cells, Root hair.
8. Endodermis, root hair, xylem, soil water, cells of cortex
9. Formation of NADPH, Light absorption, splitting of water, Release of oxygen
10. Soil, water, root hair, xylem, cortex, endodermis
11. Photosynthetic pigment absorb photon, Formation of ATP, Splitting of water, chlorophyll emits electrons.
12. Concentration of K⁺-ion increases in guard cells, High rate of photosynthesis, Opening of stomata, Daytime.

Q2. ANSWER IN ONE WORD / COMPLETE THE GIVEN STATEMENT-

1. A type of cell division that is responsible for producing sex cells.
2. Who is considered as the "Father of Genetics"?
3. How many pair (s) of sex chromosomes do humans have?
4. Which genetic disorder is responsible for insufficient clotting of blood that may even result to death?
5. What is the genotypic dihy? What is the genotypic dihybrid ratio in F₂ generation?
6. A contrasting pair of genes.
7. In comparison to the surrounding water, the cell sap contained in the root hairs is of which concentration?
8. The process in which the living or dead plant cells draw water through surface attraction
9. The movement of water molecules traveling through semi permeable membrane from the area of higher concentration to the area of lower concentration
10. The swelling up of cells through the inward diffusion of water when the solution is not highly concentrated
11. The outward diffusion of water which contributes in shrinking of the cell when the solution is highly concentrated
12. The movement of salt or ion traveling through a cell membrane from the area of lower concentration to the area of higher concentration utilizing energy from the cell
13. The exertion of pressure on the cell content by the cell wall.
14. The shrinkage of cytoplasm of the plant cell owing to the removal of water from the cell.
15. The condition in which the cell fails to maintain its rigidity and is subjected to a loosened state.
16. The process of losing of water from the leaves and other aerial segments of the plants in the form of water vapour.
17. Which paper is extremely useful for detecting moisture?
18. Which one of the following device is used for the purpose of studying and measuring the rate of transpiration?
19. The occurrence of transpiration with the help of the cuticle of the plants are called-
20. The leakage of plant sap from the ripped or injured portion of a plant.
21. During photosynthesis, which by-product is released by plants?
22. The sole biological process which contributes in releasing oxygen is-
23. Which pigment is considered as the vital plant pigment?
24. Light – Independent phase is also known as –
25. What is considered as the tiniest unit of light energy?

26. The process of converting various glucose molecules into one molecule of starch.
 27. The process in which food energy is transferred when one organism eats another organism and this series of food reliance is known by the term-
 28. The oxygen released during photosynthesis comes from –
 29. The phase of photosynthesis which does not require sunlight.
 30. Number of Carbon dioxide molecules needed for producing 1 molecule of glucose.
 31. The structure where light reaction takes place?
 32. The growth hormone first discovered in plants.
 33. What is the full form of IAA?
 34. Which plant hormone acts as a gas at normal temperature?
 35. ABA mainly stands for-
 36. Abscissic acid is also known by the term-
 37. Auxins perform an essential function in which kind of tropism?
 38. The movement of plant parts or plant in the direction of the earth's gravitational force.
 39. Which one of the following device is used in the laboratory for the purpose of demonstrating geotropism?
 40. Which device is used in the laboratory for the purpose of demonstrating geotropism?
 41. The tendency of plant segments to move towards the direction of water or moisture is
 42. The tendrils constitute one of the most eminent examples of which type of tropism?
 43. The situation in which plant segments grow in retaliation towards the direction of chemicals is popularly known as _____
 44. Which plant possesses the ability to manifest heliotropism?
 45. Factors are also known as
-

Geography

Compulsory

***Map Work [India's Map]**

1. Rivers (Northern & Southern Part).
2. Physical Features of India

Attempt any two of the following topics :

***Soils Resources In India.**

***Natural Vegetation.**

***Water Resources.**

***Transport**

***Waste Management :**

- Impact of Waste Accumulation
 - Methods of Safe Disposal of Waste
-

Subject -History and civics

Attempt any two :

1. Contributions of UNO Towards World Peace
2. Importance of Gandhian principles on Indian life.
3. Contributions of Subash Chandra Bose in the National Movement of India.
4. Contributions of LAL- BAL- PAL .

(Civics)

Attempt any one :

1. The Union Legislature.
 2. The Judiciary. [The Supreme Court]
-

Subject -Economics

- 1) Choose any one project from project 1&2 given in the text book and make one project file.
 - 2) Learn Question/ Answers of Lesson- 1,2 and 3.
-

Subject -English

Language:-

1. Write an essay on any topic of your choice in 350 words.(In copy)

Literature :-

1. Write the summary of any 2 poems.
 2. Write the summary of any two short stories.
 3. Write the character sketch of your favourite character from the play Julius Caesar.
-

Subject-Commercial Application

Project I

50 M

Study the project life cycle (PLC) Using ADD-GEL pens, explain in which part of PCL are they giving valid justifications.

Project II

50 M

Study the different advertisement in any media (print, television, audio) of the FMCG (fast moving consumer goods) such as coke, Pepsi, lux, surf, Tide etc. Explain their positive and negative points.

Subject -Chemistry

Choose any one topic to make the Project about 10-15 pages with preface, acknowledgement and conclusion. In project use the graph, formula, reaction, flowcharts, diagram, numerical, table chart etc.

Topics

1. Periodic properties and variation of properties in groups and periods (Atomic size, metallic characters, non-metallic character, Ionisation character, Ionisation Potential, electron affinity, electronegativity).
 2. Electrovalent, Covalent and Co-ordinate bonding, Structure of various compounds, with three examples each with characteristic properties, M.P., B.P. conductivity etc.
 3. Write about Acids, Bases and Salts.
 4. Action of NH_4OH and NaOH on salt solution of Ca, Fe, Cu, Zn and Pb. Write equations, colour of the salt its solution and precipitate, solubility of precipitate.
 5. Electrolysis, different terms used in it, electrolytic process and its applications.
 6. Metallurgy: Extraction of Aluminium, Alloy composition and uses.
 7. Study of compounds: - HCl / H_2SO_4 / NH_3
 8. Organic Chemistry: Introduction, Structure and isomerism, Homologous series, simple nomenclature.
 9. Hydrocarbons: Alkane, Alkene, Alkyne (Structure, preparation, properties and uses)
-

Subject -EVS

Select any two topics and write in 1500 words about each topic.

1. Sustainable cities are the need of the day.
2. G.E.F. and its conventions.
3. Different ways of cropping.
4. Waste management.
5. Biodiversity and conservation strategies at national and international level.
6. Alternative sources of energy.
7. Effect of chemicals on day to day life and health.

Along with preface, acknowledgement, content, conclusion and pictures.
(max 20 pages).

Subject – Hindi

व्याकरण

खण्ड क

1. प्रस्ताव लेखन— पृष्ठ संख्या – 43 कमांक – 4
2. पत्र लेखन— पृष्ठ संख्या 143 कमांक संख्या— 24
3. अपठित गद्यांश – पृष्ठ संख्या— 196 कमांक संख्या— 9

व्याकरण संबंधी प्रश्न

10 पर्यायवाची शब्द, 10 विलोम शब्द , 10 अनेकार्थी , 5 मुहावरे एवं उनका वाक्य प्रयोग, 10 एकार्थक प्रतीत होने वाले शब्द, 5 वाक्यांश के लिए एक शब्द।

खण्ड ख

साहित्य

गद्य – पाठ— बड़े घर की बेटी

कोई भी दो अवतरणों के चारों प्रश्नों के उत्तर सहित

पद्य पाठ— कुडलियाँ

कोई भी दो अवतरणों के चारों प्रश्नों के उत्तर सहित

Computer Applications

Note : Holiday homework should be done in A4 size paper only. Print outs of the programs are not accepted.

1. Write a program to enter two numbers and check whether they are co-prime or not.

[Two numbers are said to be co-prime, if their HCF is 1 (one).]

Sample Input: 14, 15

Sample Output: They are co-prime.

2. A number is said to be Duck if the digit zero is (0) present in it. Write a program to accept a number and check whether the number is Duck or not. The program displays the message accordingly. (The number must not begin with zero)

Sample Input: 5063

Sample Output: It is a Duck number.

Sample Input: 7453

Sample Output: It is not a Duck number.

3. Write a program to display all the 'Buzz Numbers' between p and q (where $p < q$). A 'Buzz Number' is the number which ends with 7 or is divisible by 7.

4. Write a menu driven class to accept a number from the user and check whether it is a Palindrome or a Perfect number.

(a) Palindrome number: (A number is a Palindrome which when read in reverse order is same as in the right order)

Example: 11, 101, 151 etc.

(b) Perfect number: (A number is called Perfect if it is equal to the sum of its factors other than the number itself.)

Example: $6 = 1 + 2 + 3$

5. A Dudeney number is a positive integer that is a perfect cube such that the sum of its digits is equal to the cube root of the number. Write a program to input a number and check and print whether it is a Dudeney number or not.

Example:

Consider the number 512.

Sum of digits = $5 + 1 + 2 = 8$

Cube root of 512 = 8

As Sum of digits = Cube root of Number hence 512 is a Dudeney number.

6. A tech number has even number of digits. If the number is split in two equal halves, then the square of sum of these halves is equal to the number itself. Write a program to generate and print all four digits tech numbers.

Example:

Consider the number 3025

Square of sum of the halves of 3025 = $(30 + 25)^2$
= $(55)^2$
= 3025 is a tech number.

7. Write a program to display all the numbers between m and n input from the keyboard (where $m < n$, $m > 0$, $n > 0$), check and print the numbers that are perfect square. e.g. 25, 36, 49, are said to be perfect square numbers.

8. Write a program to input a number and count the number of digits. The program further checks whether the number contains odd number of digits or even number of digits.

Sample Input: 749

Sample Output: Number of digits=3

The number contains odd number of digits.

9. Write a program to input a number and display the new number after reversing the digits of the original number. The program also displays the absolute difference between the original number and the reversed number.

Sample Input: 194

Sample Output: 491

Absolute Difference= 297

10. The Greatest Common Divisor (GCD) of two integers is calculated by the continued division method. Divide the larger number by the smaller, the remainder then divides the previous divisor. The process repeats unless the remainder reaches to zero. The last divisor results in GCD.

Sample Input: 45, 20

Sample Output: GCD=5

11. Write a program to input a three digit number. Use a method `int Armstrong(int n)` to accept the number. The method returns 1, if the number is Armstrong, otherwise zero(0).

Sample Input: 153

Sample Output: $153 \Rightarrow 1^3 + 5^3 + 3^3 = 153$

It is an Armstrong Number

12. **Palindrome Number in Java:** Write a program to accept a number from the user and check whether it is a Palindrome number or not. A number is a Palindrome which when reads in reverse order is same as in the right order.

Sample Input: 242

Sample Output: A Palindrome number

Sample Input: 467

Sample Output: Not a Palindrome number

13. Write a program in Java to accept a number. Check and print whether it is a prime number or not.

14. A prime number is a number which is divisible by 1 and itself only. For example 2, 3, 5, 7, 11, 13 are all prime numbers.

15. Write a menu driven program to accept a number from the user and check whether it is a Prime number or an Automorphic number.

(a) Prime number: (A number is said to be prime, if it is only divisible by 1 and itself)

Example: 3,5,7,11

(b) Automorphic number: (Automorphic number is the number which is contained in the last digit(s) of its square.)

Example: 25 is an Automorphic number as its square is 625 and 25 is present as the last two digits.

16. Write a program to input a number and check and print whether it is a Pronic number or not. [Pronic number is the number which is the product of two consecutive integers.]

Examples:

$$12 = 3 * 4$$

$$20 = 4 * 5$$

$$42 = 6 * 7$$

17. An Abundant number is a number for which the sum of its proper factors is greater than the number itself. Write a program to input a number and check and print whether it is an Abundant number or not.

Example:

Consider the number 12.

Factors of 12 = 1, 2, 3, 4, 6 Sum of factors = $1 + 2 + 3 + 4 + 6 = 16$

As $16 > 12$ so 12 is an Abundant number.

18. Write a program to input a number. Check and display whether it is a Niven number or not. (A number is said to be Niven which is divisible by the sum of its digits).

Example: Sample Input 126

Sum of its digits = $1 + 2 + 6 = 9$ and 126 is divisible by 9.

19. Write a program to accept a number and check whether it is a 'Spy Number' or not. (A number is spy if the sum of its digits equals the product of its digits.)

Example: Sample Input: 1124

Sum of the digits = $1 + 1 + 2 + 4 = 8$

Product of the digits = $1 * 1 * 2 * 4 = 8$

20. A special two-digit number is such that when the sum of its digits is added to the product of its digits, the result is equal to the original two-digit number.

Example: Consider the number 59.

Sum of digits = $5 + 9 = 14$

Product of digits = $5 * 9 = 45$

Sum of the sum of digits and product of digits = $14 + 45 = 59$

21. Write a program to accept a two-digit number. Add the sum of its digits to the product of its digits. If the value is equal to the number input, then display the message "Special two—digit number" otherwise, display the message "Not a special two-digit number".

22. A prime number is said to be 'Twisted Prime', if the new number obtained after reversing the digits is also a prime number. Write a program to accept a number and check whether the number is 'Twisted Prime' or not.

Sample Input: 167

Sample Output: 761

167 is a 'Twisted Prime'.

ST.MARY'S SCHOOL MIRZAPUR
SUMMER HOLIDAY ASSIGNMENT 2025 – 26
Class XI

Hindi

खंड क

- 1-प्रदूषण की समस्या को विषय बनाकर 400 शब्दों का एक निबंध लिखिए।
- 2- 10 मुहावरे लिखकर उसका अर्थ एवं वाक्य प्रयोग कीजिए।
- 3- 10 शुद्ध अशुद्ध वाक्य बनाइए।
- 4- एक अपठित गद्यांश लिखकर उसके प्रश्नों को हल कीजिए।

खंड ख

- 1- सिद्ध कीजिए कि पुत्र प्रेम कहानी द्वारा कथानक ने व्यक्ति के मन को बदला है।
- 2- पुत्र प्रेम कहानी का मूल भाव अपने शब्दों में लिखिए।

ENGLISH LANGUAGE

Make a file of about 10 pages with preface, acknowledgement and conclusion. Write an essay of 500 words on any one of the following topics.

- 1) The text of a brochure
- 2) A product description
- 3) A process description (e.g. Instructions to operate a device, a recipe, a scientific experiment.)
- 4) Description of a sporting event
- 5) An autobiographical experience
- 6) Review of a television serial.

ENGLISH LITERATURE

Make a spiral bound file of about 25 pages with preface, acknowledgement and conclusion.

1. Write a note on the mood and atmosphere in the play, "Macbeth".
2. Examine the play, "Macbeth" as a study of evil.
3. Explain the term 'weird sisters' and comment on the part played by the sisters in the play.
4. In the poem, "Abhisara" how does the poet highlight the selfless service of an ascetic.
5. In "Advice to Youth", how does Twain use humour in the essay?

Account

Project I

[10 M] Mr. Tushar

decided to start a computer business. With imaginary data draw Journal, Ledger, Trail balance, Trading account, Profit and loss account and Balance Sheet.

Project II

[10M]

Mr. Pankaj decided to start a Refrigerators business. With imaginary data draw Journal, Ledger, Trail balance, Trading account, Profit and loss account and Balance Sheet.

Economics

- 1) Choose any one project for Micro and Macro Economics each from projects given in the text book and make one project file for each.
- 2) Learn Question/ Answers of Lesson- 1,2,3 & 4.

PHYSICAL EDUCATION

- 1) Make a Project File on one of the following games:

- Cricket
- Badminton
- Basketball
- Volleyball
- Athletics

use picture and draw the court/field along with measurements in the file.

- 2) Make complete notes of chapters 1 and 2 in your physical education notebook.

Mathematics

Do any 7 activity :-→

1. To find the number of subset of given set and verify that if a set has n element then the total number of subset is 2^n .
2. To represent set theoretical operations using Venn diagrams
3. To identify a relation and function
4. To verify the relation between degree measure and radian measure of an angle
5. To prepare a model to illustrate the value of sin function and cosine function for different angles which are multiples of 90° and 180° .
6. Plot the graph of $\sin x$, $\sin 2x$ and $2\sin x$ on same coordinate axis.
7. To interpret geometrically the meaning of iota (i), and its integral powers.
8. To obtain a quadratic function with the help of linear function graphically

9. To find the number of way in which three card can be selected from a given five cards.
10. To construct a pascal triangles and to write binomial expansion for a given positive integral.
11. To obtain formula for sum of square of first n natural numbers.

PHYSICS

PROJECT FILE ON TOPIC ‘ MECHANICS AND APPLICATION ‘

CONTENT PAGES AROUND 15

FRONT PAGE SHOULD BE PRINTED SHOWING PROJECT TITLE, SCHOOL NAME, NAME OF STUDENT, CLASS, SECTION AND SESSION

THREE BLANKS FOR SIGNATURE OF THE PRINCIPAL, EXAMINER AND TEACHER

Introduction, index, reference and conclusion pages should be placed at proper position.

Project should be hand written without colorful decoration

IT SHOULD BE SPIRAL BOUND

Biology project work

Attempt any one of the following topics.

- (i) Project related to experiment on any aspect of plant life/animal life.
- (ii) Project related to any aspect of environment.
- (iii) Diabetes.
- (iv) Cancer
- (v) Respiratory diseases
- (vi) Diseases related with bones and muscles
- (vii) Endocrine disorders.
- (viii) Yeast fermentation and production of alcohol or any other commercial industry dependent on plants and/or animals or their products.
- (ix) How to culture:
 - (a) Earthworms. (b) Protozoans. (c) Moulds.
- (x) Setting up of an aquarium.
- (xi) covid 19

Format of the Project:

– Content
– Introduction
– Presentation (graphs, tables, charts, newspaper cuttings, diagrams, photographs, statistical analysis if relevant)
– Conclusion/ Summary
– Bibliography

Compulsory question

Prepare a herbarium file of different kinds of leaves with their taxonomy (at least 10 leaves)

Chemistry

Project include :-Content, Introduction, Presentation, Conclusion.

1. Write any five laws of Chemical combination with examples.
2. Define with the help of formula, numerical 3 example each; Normality, Molarity, Molality, Mole Fraction, Equivalent mass.
3. Balance these equations as directed:--

By ion electron Method



By Oxidation no. method



Commerce

Prepare any two projects from the following topics.

Project 1-

Select a daily use consumer product. Trace its origin right from the primary industry through the secondary and tertiary industries. Draw a flow chart to include all the business activities in its path from the producer to the consumer.

Project 2-

Identify Two public private partnership projects.

Find out-

- The equity participation of both the partners
- objectives of the partnership
- strength both partners bring to the venture:

Project 3-

Select one consumer cooperative and housing cooperative.

For each of the cooperatives-

- state the objectives
- the organisational structure
- details of surplus distribution and the form of government support

Project 4-

Contact an insurance agent and collect information about five different types of life Insurance policies provided by different companies. Include information as per details given below for every insurance plan and make a comparative analysis-

- premium of insurance
- terms of inclusions and exclusions of each policy
- terms of the policy
- withdrawal of money from the insurance scheme (surrender/foreclosure)
- advantages/disadvantages of the plan

Note:

- Prepare both questions in separate project files.
- Use ruled A4 size sheets and make them into a spiral notebook

Computer Science

Fibonacci Series

Input a number and check if it is

Prime number

Perfect number

Pronic number

Sum of the following series: $0+3+8+15+.....$

$1+2+3+4+5+.....n$

$a+a^2+a^3+a^4+a^5+.....+a^n$

$1+2+5+10+17+.....$

Convert the following:

Decimal to binary

(a)12345.234

(b)5678.567

Binary to decimal

(a)1010100100.10011

(b)1000010011.1110

Decimal to Octal

(a)1234.345

(b)345.234

Octal to decimal

(a)1256.23

(b)453.675

Binary to Octal

(a)10000101000100.1001

(b)1111100100.1101

Octal to binary

(a)543.213

(b)564.22

Decimal to Hexadecimal

(a)1234.1223

(b)567.213

Octal to hexa decimal

(a)2345.243

(b)657.222

ST. MARY'S SCHOOL, MIRZAPUR

HOLIDAY HOMEWORK

CLASS XII

ENGLISH LANGUAGE

Make a file of about 10 pages with preface, acknowledgement and conclusion. Write an essay of 500 words on any one of the following topics.

1. The text of a brochure
2. A product description
3. A process description (e.g. Instructions to operate a device, a recipe, a scientific experiment.)
4. Description of a sporting event
5. An autobiographical experience
6. Review of a television serial.

ENGLISH LITERATURE

Make a spiral bound file of about 25 pages with preface, acknowledgement and conclusion.

1. Write a note on Macbeth as a tragic hero.
2. Compare Macbeth's moral and psychological state before and after the murder of Duncan.
3. Lady Macbeth finds in her husband 'the milk of human kindness'. Malcolm calls him a brute. How can you reconcile the two views?
4. In the poem, Tithonus, write how has immortality become a curse for Tithonus.
5. In the story, "The Cookie Lady", discuss Bubber's last visit to Mrs Drew's house.

Mathematics

1. Types of function with example.
2. Properties of determinants
3. Condition for continuity and differentiability with example
4. All differentiation formula with example
5. Condition for maximum minimum and inflexion
6. All integration formula
7. Formula for Bay's theorem (probability) with example
8. All formula off straight line (only science students)
9. Chapter 25, example -23 24 29 31 38 (Only science students)

Complete formula in fair and formula copy of chapter 7 to

PHYSICS

PROJECT FILE ON TOPIC ' SOLID STATE PHYSICS AND APPLICATION '

CONTENT PAGES AROUND 15

FRONT PAGE SHOULD BE PRINTED SHOWING PROJECT TITLE, SCHOOL NAME, NAME OF STUDENT, CLASS, SECTION AND SESSION

THREE BLANKS FOR SIGNATURE OF THE PRINCIPAL, EXAMINER AND TEACHER

INTRODUCTION, INDEX, REFERENCE AND CONCLUSION PAGES SHOULD BE PLACED AT PROPER POSITION.

PROJECT SHOULD BE HAND WRITTEN WITHOUT COLORFUL DECORATION

ENGLISH LANGUAGE

Make a file of about 10 pages with preface, acknowledgement and conclusion. Write an essay of 500 words on any one of the following topics.

7. The text of a brochure
8. A product description
9. A process description (e.g. Instructions to operate a device, a recipe, a scientific experiment.)
10. Description of a sporting event
11. An autobiographical experience
12. Review of a television serial.

ENGLISH LITERATURE

Make a spiral bound file of about 25 pages with preface, acknowledgement and conclusion.

6. Write a note on Macbeth as a tragic hero.
7. Compare Macbeth's moral and psychological state before and after the murder of Duncan.
8. Lady Macbeth finds in her husband 'the milk of human kindness'. Malcolm calls him a brute. How can you reconcile the two views?
9. In the poem, Tithonus, write how has immortality become a curse for Tithonus.
10. In the story, "The Cookie Lady", discuss Bubber's last visit to Mrs Drew's house.

CHEMISTRY

- Colligative properties of solutions.
- Types of organic reactions and their mechanism.
- Chemical bonding and molecular structure.
- Electron displacement phenomenon: inductive effect, Resonance, Electromeric effect and Hyper conjugation.
- Compounds of noble gases.
- Co-ordination compounds and its applications.
- Derivatives of carboxylic acids.
- Crystal field theory and its applications.
- Organic reagents and their uses.
- Commercial batteries and their uses.

Note:- Select any one of the topic and make a project file of at least 20 pages.

While writing your project, following points must be mentioned in sequence:-

1. Self introduction

2. Index
3. Acknowledgement
4. Certificate
5. Aim
6. Introduction
7. Theory
8. Conclusion

SPIRAL BINDING IS COMPULSORY.

PHYSICAL EDUCATION

- 1) Make a Project File on one of the following games:
 - Cricket
 - Badminton
 - Basketball
 - Volleyball
 - Athletics

Use pictures and draw the court/field along with measurements in the file.

Make complete notes of chapters 1,2 and 3 in your physical education notebook

Account

Project I 10 M

With the imaginary data analysis, the cash flow of Shailja Ltd. For the year ended 2024 and 2025.

Project II 10 M

The general manager of Galaxy Ltd. Was surprise to find that the company earned profit for the year but bank overdraft has been increased. Analysis with the help of imaginary data of cash flow.

Economics

Project I 10 M

Compare the contribution made by different sectors of Indian economy towards GDP growth during the planning period.

Make a comparative analysis of lending performance of five commercial banks in the past five years with reference to the changing CRR and SLR.

Holiday homework

The candidate is to creatively execute one project/assignment on an aspect of biology.

Following is only a suggestive list of topics:

- (i) Genetic disorders
- (ii) Gene therapy
- (iii) Human Genome Project
- (iv) DNA fingerprinting
- (v) Bio-piracy
- (vi) Cancer.
- (vii) AIDS/Hepatitis.
- (viii) Drug addiction and community.
- (ix) Role of micro-organisms in industry.
- (x) Human population.
- (xi) Mendelian Inheritance
- (xii) Environmental resistance.
- (xiii) Traditional and modern methods: Study of a few traditional methods of pest deterrence vis-a-vis modern methods of pestcontrol - viability of traditional methods in today's scenario and limitations and dangers of modern methods.
- (xiv) Role of agrochemicals in increasing food production.

Format of the Project:

(i)	Content
(ii)	Introduction
(iii)	Presentation (graphs, tables, charts, newspaper cuttings, diagrams, photographs, statistical analysis if relevant)
(iv)	Conclusion/ Summary
(v)	Bibliography

Hindi

खंड क

- 1- अशिक्षा समाज के विकास में बाधक है, इस तर्क के आधार पर 400 शब्दों का एक निबंध लिखिए।
- 2- 10 मुहावरे लिखकर उसका अर्थ व वाक्य प्रयोग बनाइए।
- 3- 10 शुद्ध अशुद्ध शब्द लिखिए।
- 4- एक अपठित गद्यांश लिखकर उसके प्रश्नों को हल कीजिए।

खंड ख

- 1- पत्र योजना के आधार पर दासी कहानी की समीक्षा कीजिए और बताइए की पाठ में कितनी दासियां हैं?
- 2- नदी के द्वीप कविता का प्रतिपाद्य अपने शब्दों में लिखिए।

Commerce

Prepare any two projects from the following topics.

Project 1-

Compare marketing strategies adopted by two different companies of the same industry (FMCG/Telecommunication/media/education industry, etc) keeping in mind the following:

- Product Mix
- Price Mix
- Place Mix
- Promotion Mix

Project 2-

Visit a Commercial Bank. Find out the procedures to open a saving account.

Find out the details of various Agency & general utility services provided by bank.

Project 3-

- a) Study the sources of recruitment and steps involved in the selection procedure adopted by two companies of the same industry.
- b) Compare and evaluate the sources of recruitment and the selection process adopted by the selected companies.

Project 4-

Select any business undertaking. Study the selected business in terms of ownership, capital and profitability. S.W.O.T analysis and presented in a tabular form.

Note:

- Prepare both questions in separate project files.
- Use ruled A4 size sheets and make them into a spiral notebook

COMPUTER SCIENCE

1. DN Publications : Class XII Practical workbook:
 - (a) Programming questions 1 to 10.
 - (b) Data Structure Stack & Queue Exercises