



B. P. S. PUBLIC SCHOOL

MELA ROAD, LAKHIMPUR-KHERI

Affiliation No. 2131845

School Code-70873

CIRCULAR FOR STUDENTS CLASS-XI

Date-15-06-2023

ALLOTMENT OF PROJECT FOR THE PRACTICAL EXAMINATION XI : 2023 – 24

This is to inform you that the project files and lab manuals for the XI practical Examination 2023-24 must be deposited before Examination.

Hence, you are instructed to go through the following pages in which Projects and Experiments have been assigned to be completed and also the Mandatory Annexures which are supposed to be same in all the Project files

Submission Date- 15TH July, 2023

Arrangement of pages

- Cover page (made on hard cardboard sheets, utilize any cartoon or packaging items if you have etc.)
- School, topic name of 'Submitted by 'and 'submitted to' etc same in all the other subject projects.
- Acknowledgement
- Content List
- Content of Topic as per the instructions
- Last pages - Second last -bibliography, Last - Certificate

Principal

SCHOOL CODE : 70873

AFFILIATION NO. : 2131845



PROJECT FOR XI : 2023 – 24

SUBJECT :

SUBJECT CODE :

TOPIC :

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SUBMITTED BY

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SUBMITTED TO

.....

ROLL NO.

CERTIFICATE

**This is to certify that this project has been made by Of
class XI for the partial fulfillment of Practical examination 2023 – 24
in subjectentitled on**

Under my guidance and have been completed it successfully .

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Internal Examiner Sign.

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External Examiner Sign.

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Principal Sign.

ACKNOWLEDGEMENT

I would like to express my special gratitude to my teacher (Name of the subject teacher) as well as our principal Mrs. Neelam Awasthi who gave me the golden opportunity to do this wonderful on the Topic (Name of the topic), which also helped me in doing a lot of Research and I came to know about so many new things.

I am really thankful to them.

Secondly, I would like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

Thank You

STUDENT NAME:- (Name of the Student)

SUBJECT – PHYSICS (042) / ACCOUNTANCY (055)

S.NO.	STUDENT NAMES	TITLE OF PROJECT
1	AARUSHI VERMA	STUDY OF PROJECTILE MOTION IN GAMES
2	ABHISHEK VERMA	WEIGHTLESSNESS IN DIFFERENT NON INERTIAL FRAME OF REFERENCES
3	ADARSH MISHRA	STUDY OF ROTATIONAL MOTION IN DIFFERENT TOYS AND SWING
4	ALOK KUMAR	STUDY OF GIANT WHEEL (SWING) USING FREE BODY DIAGRAM
5	AMIR ALI	MEANING AND OBJECTIVES OF ACCOUNTING
6	ANSHIKA GUPTA	STUDY THE ELASTIC BEHAVIOUR OF METAL AND INSULATORS
7	ANSHIKA VERMA	STUDY THE MECHANISM OF HIGH THURST IN JCB
8	ANSHUMAN JAISWAL	PROCESS AND BASES OF ACCOUNTING
9	ANUBHAV VERMA	STUDY OF PROJECTILE MOTION IN GAMES
10	ARPIT SONI	WEIGHTLESSNESS IN DIFFERENT NON INERTIAL FRAME OF REFERENCES
11	AWNI VERMA	STUDY OF ROTATIONAL MOTION IN DIFFERENT TOYS AND SWING
12	AYUSH AWASTHI (I)	STUDY OF GIANT WHEEL (SWING) USING FREE BODY DIAGRAM
13	AYUSH AWASTHI (II)	BASIC ACCOUNTING TERMS
14	AZQA ANSARI	MEANING AND OBJECTIVES OF ACCOUNTING
15	ESHITA MISHRA	STUDY THE ELASTIC BEHAVIOUR OF METAL AND INSULATORS
16	FARHAN AKHTAR	STUDY OF GIANT WHEEL (SWING) USING FREE BODY DIAGRAM
17	INDRASEN GAUTAM	ACCOUNTING PRINCIPLES
18	KHUSHPREET KAUR	STUDY THE ELASTIC BEHAVIOUR OF METAL AND INSULATORS
19	NISHTHA TOMAR	STUDY THE MECHANISM OF HIGH THURST IN JCB
20	PALAK	STUDY OF PROJECTILE MOTION IN GAMES
21	PALLAVI VERMA	WEIGHTLESSNESS IN DIFFERENT NON INERTIAL FRAME OF REFERENCES
22	PARAS JAISWAL	STUDY OF ROTATIONAL MOTION IN DIFFERENT TOYS AND SWING
23	RAUNAK RASTOGI	PROCESS AND BASES OF ACCOUNTING
24	RUCHI SINGH	STUDY THE ELASTIC BEHAVIOUR OF METAL AND INSULATORS
25	SHAILJA BAJPAI	STUDY THE MECHANISM OF HIGH THURST IN JCB
26	SHIVAM AGARWAL	DOUBLE ENTRY SYSTEM
27	SHOBHNA SINGH	ACCOUNTING EQUATION
28	SHUBHAM VERMA	STUDY OF PROJECTILE MOTION IN GAMES
29	SHUBHRITA SAXENA	MEANING AND OBJECTIVES OF ACCOUNTING
30	SONALI SAHU	STUDY OF PROJECTILE MOTION IN GAMES
31	TANMAY BHARTI	WEIGHTLESSNESS IN DIFFERENT NON INERTIAL FRAME OF REFERENCES
32	VANSHIKA VERMA	STUDY OF ROTATIONAL MOTION IN DIFFERENT TOYS AND SWING
33	VARDA PARVEZ	STUDY OF GIANT WHEEL (SWING) USING FREE BODY DIAGRAM
34	VISHWAS GUPTA	STUDY THE ELASTIC BEHAVIOUR OF METAL AND INSULATORS
35	YASHI VERMA	STUDY OF GIANT WHEEL (SWING) USING FREE BODY DIAGRAM

INSTRUCTIONS FOR PREPARING PROJECT OF ACCOUNTANCY :

TOPIC-1 ACCOUNTING EQUATION :-

- Use A4 sheet of white color sheet to make a Project
- Draw colorful well-labeled diagram, terminologies and skills

ARRANGEMENT OF HEADINGS:-

- Introduction of Cash flow +relate company information
- Draw colorful proper format of cash flow, paste colorful pictures wherever required.
- Describe all the three activities of cash flow.
- Solve Practical Problem
- Conclusion

TOPIC-2 ACCOUNTING PRINCIPLE AND ACCOUNTING STANDARDS:-

ARRANGEMENT OF HEADINGS:-

1. Introduction of Ratio Analysis
 - Meaning
 - Features
 - Importance
2. Calculate Practical Problems Related with Ratio-Analysis
3. Describe all the important Ratios and paste colorful pictures wherever required
4. Conclusion

INSTRUCTIONS FOR PREPARING PROJECT OF PHYSICS :

1. Use A4 sheet of white color sheet to make a Project.
2. Draw colorful well-labeled diagram, terminologies .

THE ORDER OF HEADINGS : -

1. Introduction of the Topic.
2. Research or Mathematical Modelling.
3. Conclusions

INSTRUCTIONS FOR CHEMISTRY PROJECT

- Draw the flow chart of allotted topic.
- The introduction must include literature reviews about the topic.
- Content can be goggled; but mandatory to mention in the Bibliography.
- Show the purpose of the study in your project.
- Determine the general information about the topic being investigated.
- Show that how topic is related with everyday life.
- Specific details about how the study was done.
- The conclusions you have made based on the results of your study.

Write the practical in your lab manual in following sequences but don't mention the observation and results, (only observation table and results work will be completed in the laboratory during practice of practical)

Experiment –

1 a. Value Matric Analysis

Determine the concentration and molarity of KMnO_4 solution of titration it against 0.1 M standard solution of oxalic acid.

1b. To prepare M/20 solution of ferrous ammonium sulphate with its help and determine the molarity and strength of giving solution of potassium permanganate.

ARRANGEMENT OF HEADINGS MUST BE AS FOLLOWS :-

1. Aim
2. Materials required
3. Equations/s
4. Observation table blank
5. Leave sufficient space for , calculation, result,
6. Precautions

INSTRUCTION FOR PROJECT OF BUSINESS STUDIES:-

- Use A4 sheet of white colour to make a Project.
- Draw colourful well-labeled diagram to make a Project.

Topic- FOREIGN TRADE WITH FULL PROCEDURE WITH CURRENT TRENDS:-

Arrangement of Headings:-

- Introduction
- History
- Meaning
- Its importance
- Features
- Describes related aggregates
- Paste colourful pictures wherever required
- Conclusion

SUBJECT – CHEMISTRY (043) / B.St. (054)

S.NO.	STUDENT NAMES	TITLE OF PROJECT
1	AARUSHI VERMA	BIO DIESEL AND BIO PETROL
2	ABHISHEK VERMA	BIO DIESEL AND BIO PETROL
3	ADARSH MISHRA	PREPARATION OF POTASH ALUM
4	ALOK KUMAR	RUSTING OF IRON AND ITS PREVENTION
5	AMIR ALI	FOREIGN TRADE WITH FULL PROCEDURE WITH CURRENT TRENDS
6	ANSHIKA GUPTA	STERLIZATION OF WATER WITH BLEACHING POWDER
7	ANSHIKA VERMA	PREPARATION OF POTASH ALUM
8	ANSHUMAN JAISWAL	BUSINESS SERVICES
9	ANUBHAV VERMA	FOOD ADULTERATION
10	ARPIT SONI	OBSERVATION OF PH OF DIFFERENT SAMPLES
11	AWNI VERMA	PREPARATION OF POTASH ALUM
12	AYUSH AWASTHI (I)	BIO DIESEL AND BIO PETROL
13	AYUSH AWASTHI (II)	PARTNERSHIP AND COMPANY FORMMATION
14	AZQA ANSARI	MAKE IN INDIA PROJECT
15	ESHITA MISHRA	PROJECT ON SETTING OF CEMENT
16	FARHAN AKHTAR	STERLIZATION OF WATER WITH BLEACHING POWDER
17	INDRASEN GAUTAM	BUSINESS SERVICES
18	KHUSHPREET KAUR	PROJECT ON ANALYSIS OF FERTILSERS
19	NISHTHA TOMAR	PROJECT ON MEASUREMENT OF ACETIC ACID IN VINEGER
20	PALAK	PROJECT ON SETTING OF CEMENT
21	PALLAVI VERMA	BIO DIESEL AND BIO PETROL
22	PARAS JAISWAL	RUSTING OF IRON AND ITS PREVENTION
23	RAUNAK RASTOGI	FOREIGN TRADE WITH FULL PROCEDURE WITH CURRENT TRENDS
24	RUCHI SINGH	FOOD ADULTERATION
25	SHAILJA BAJPAI	PREPARATION OF POTASH ALUM
26	SHIVAM AGARWAL	PARTNERSHIP AND COMPANY FORMMATION
27	SHOBHNA SINGH	MAKE IN INDIA PROJECT
28	SHUBHAM VERMA	DETERMINATION AND EXTRACTION OF CAFFIENE IN MULTIPLE TEA
29	SHUBHRITA SAXENA	PARTNERSHIP AND COMPANY FORMMATION
30	SONALI SAHU	BIO DIESEL AND BIO PETROL
31	TANMAY BHARTI	RUSTING OF IRON AND ITS PREVENTION
32	VANSHIKA VERMA	PROJECT ON SETTING OF CEMENT
33	VARDA PARVEZ	RUSTING OF IRON AND ITS PREVENTION
34	VISHWAS GUPTA	PROJECT ON ANALYSIS OF FERTILSERS
35	YASHI VERMA	FOOD ADULTERATION

SUBJECT – MATHS (041) / BIOLOGY (044) / ECO. (030)

S.NO.	STUDENT NAMES	TITLE OF PROJECT
1	AARUSHI VERMA	STUDY OF EFFECTS OF ANTIBIOTICS ON MICROORGANISM
2	ABHISHEK VERMA	EFFECTS OF FERTILISERS , MANURE AND POLYTHENE ON SOIL
3	ADARSH MISHRA	PROBABILITY
4	ALOK KUMAR	STUYD OF ENZYMES
5	AMIR ALI	CONSUMERS EQUILIBRIUM
6	ANSHIKA GUPTA	COFFEE ADDICTION
7	ANSHIKA VERMA	EYE DISEASES
8	ANSHUMAN JAISWAL	THEORY OF DEMAND
9	ANUBHAV VERMA	HUNAN GENOME PROJECT
10	ARPIT SONI	CONIC SECTION
11	AWNI VERMA	WHAT IS THE BEST WAY TO DISINFECT OF TOOTHBRUSH
12	AYUSH AWASTHI (I)	REALTION AND FUNCTION
13	AYUSH AWASTHI (II)	THEORY OF DEMAND
14	AZQA ANSARI	CONSUMERS EQUILIBRIUM
15	ESHITA MISHRA	SET THEORY
16	FARHAN AKHTAR	GEOMETRY
17	INDRASEN GAUTAM	CENTRAL PROBLEM OF AN ECONOMY
18	KHUSHPREET KAUR	HEART RATE AND VIDEO GAMES
19	NISHTHA TOMAR	PROBABLITY
20	PALAK	COMPOSED OR FERTLISERS WHICH ONE IS BEST
21	PALLAVI VERMA	ULTRA VIOLET RADIATION
22	PARAS JAISWAL	TROGONOMETYRY
23	RAUNAK RASTOGI	CONSUMERS EQUILIBRIUM
24	RUCHI SINGH	DIABETES AND EXERCISE
25	SHAILJA BAJPAI	STATISTICS
26	SHIVAM AGARWAL	CONSUMERS EQUILIBRIUM
27	SHOBHNA SINGH	CONSUMERS EQUILIBRIUM
28	SHUBHAM VERMA	BLOOD PRESSURE
29	SHUBHRITA SAXENA	CENTRAL PROBLEM OF AN ECONOMY
30	SONALI SAHU	HYDROPONICS AND AEROPONICS
31	TANMAY BHARTI	LINEAR INEQUALITY
32	VANSHIKA VERMA	DO YOU HEAR WHAT I HEAR ?
33	VARDA PARVEZ	THE POWER OF RAT SENSES
34	VISHWAS GUPTA	ARITHMETIC PROGRESSION
35	YASHI VERMA	SET THEORY

INSTRUCTION FOR PROJECT OF ECONOMICS:-

Topic 1 - THEORY OF DEMAND :-

Arrangement of Headings-

1.Introduction

- Describe
- Meaning

2.Paste colourful pictures wherever required.

3.Conclusion

INSTRUCTION FOR LAB MANUAL OF BIOLOGY:-

The order of headings in particular Experiment must be as following:-

- Aim
- Material required
- Theory /Principle
- Procedure
- Observation(table + diagram)
- Precautions
- Conclusion

Copy down below mention practicals; leave the space for observation while doing practice in laboratory;

A.List of Experiments –

- 1-Prepare a temporary mount to observe pollen germination.
- 2-Study the plant population density by quadrat method.
- 3-Study the plant population frequency by quadrat method.
- 4-Prepare a temporary mount of onion root tip to study mitosis.
- 5-Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc.

B. Do the Observation of the following (spotting)

- 1-Flowers adapted to pollination by different agencies (wind, insects, birds).
- 2-Pollen germination on stigma through a permanent slide or scanning electron micrograph.
- 3-Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
- 4-Meiosis in onion bud cell or grasshopper testis through permanent slides.
- 5-T.S. of blastula through permanent slides (Mammalian).
groups, ear lobes, widow's peak and colourblindness.

8-Controlled pollination – emasculation, tagging and bagging.

9-Common disease-causing organisms like Ascaris, Entamoeba, Plasmodium, any fungus causing ringworm through permanent slides, models or virtual images. Comment on symptoms of diseases that they cause.

10-Two plants and two animals (models/virtual images) found in xeric conditions. Comment upon their morphological adaptations.

11-Two plants and two animals (models/virtual images) found in aquatic conditions. Comment upon their morphological adaptations.

INSTRUCTION FOR BIOLOGY PROJECT;

- Use A4 sheet of light green colour to make the project.
- Colorful well-labeled diagram, graph, terminologies and skills

Instruction for project of Maths

- Use A4 sheet of white color to make the Project.
- Must be contained genuine graph, colorful figure along with measurement, calculations and formulas.

Arrangement of headings –

- Introduction of topic
- Concept
- Problem
- Modeling of problem
- Calculation
- Conclusion

English Core (301) PROJECT XI – 2023 – 24

Topic "The best life lessons you have learned from The Protagonists of the stories ."(Hornbill and Snapshot) .Project must have following headings in a below given sequence and content with stipulated word limit.(1000 words).Quote the lines of the stories wherever necessary .

1. Introduction of Chapter(100 words)
2. Introduction of Protagonist.....(100 words)
3. The style and appearance of protagonist.....(100 words)
4. The skill highlighted in the chapter.....(200 words)
5. Life lesson learnt from Protagonists.....(500 words)

Instructions:-

- ✓ Read the chapters and then do. If any single thing(word ,sentences ,phrases or any content related to) you Google ,mention the link in the second last page of the project 'Bibliography' to avoid plagiarism.
- ✓ Write in landscape form;Pages must be arranged chapterwise in a sequence containing above headings.
- ✓ Presentation must be picturesque , colourful and hand made ; figure can be made in caricature form (using shapes) as per your imagination.
- ✓ No single usage of Plastic.

SUBJECT – COMPUTER SCIENCE (083)

S.NO.	STUDENT NAMES	TITLE OF PROJECT
1	AARUSHI VERMA	NOTES AND PASSWORD MANAGER
2	ABHISHEK VERMA	TO DO LIST APP
3	ADARSH MISHRA	LIBRARY MANAGEMENT SYSTEM
4	ALOK KUMAR	QUIZ APP
5	AMIR ALI	HOUSE PRICE PREDICTION
6	ANSHIKA GUPTA	SCHOOL MANAGEMENT SYSTEM
7	ANSHIKA VERMA	ONLINE FOOD ORDERING APP
8	ANSHUMAN JAISWAL	NOTES AND PASSWORD MANAGER
9	ANUBHAV VERMA	TO DO LIST APP
10	ARPIT SONI	LIBRARY MANAGEMENT SYSTEM
11	AWNI VERMA	QUIZ APP
12	AYUSH AWASTHI (I)	HOUSE PRICE PREDICTION
13	AYUSH AWASTHI (II)	SCHOOL MANAGEMENT SYSTEM
14	AZQA ANSARI	ONLINE FOOD ORDERING APP
15	ESHITA MISHRA	NOTES AND PASSWORD MANAGER
16	FARHAN AKHTAR	TO DO LIST APP
17	INDRASEN GAUTAM	LIBRARY MANAGEMENT SYSTEM
18	KHUSHPREET KAUR	QUIZ APP
19	NISHTHA TOMAR	HOUSE PRICE PREDICTION
20	PALAK	SCHOOL MANAGEMENT SYSTEM
21	PALLAVI VERMA	ONLINE FOOD ORDERING APP
22	PARAS JAISWAL	NOTES AND PASSWORD MANAGER
23	RAUNAK RASTOGI	TO DO LIST APP
24	RUCHI SINGH	LIBRARY MANAGEMENT SYSTEM
25	SHAILJA BAJPAI	QUIZ APP
26	SHIVAM AGARWAL	HOUSE PRICE PREDICTION
27	SHOBHNA SINGH	SCHOOL MANAGEMENT SYSTEM
28	SHUBHAM VERMA	ONLINE FOOD ORDERING APP
29	SHUBHRITA SAXENA	NOTES AND PASSWORD MANAGER
30	SONALI SAHU	TO DO LIST APP
31	TANMAY BHARTI	LIBRARY MANAGEMENT SYSTEM
32	VANSHIKA VERMA	QUIZ APP
33	VARDA PARVEZ	HOUSE PRICE PREDICTION
34	VISHWAS GUPTA	SCHOOL MANAGEMENT SYSTEM
35	YASHI VERMA	ONLINE FOOD ORDERING APP

INSTRUCTIONS FOR COMPUTER REPORT FILE(SYNOPSIS) :-

- 15 Python programs
- 3 Python programs based on CSV.
- 5 sets-SQL queries using one/two tables.
- 2 programs based on Python- SQL connectivity
- Output should be enclosed in the square box with geometrical instruments.

INSTRUCTIONS FOR COMPUTER PROJECT FILE-

- Use A4 sheet of white color to make Project.
- Introduction
- Library modules
- Functions used in project
- Coding
- Output with colourful well labeled neatly and legible.

SUBJECT – PHYSICAL EDUCATION (048)

LAB MANUAL:-

Any one IOA (Indian Olympic Association) recognized sport/game of choice. Colorful Labeled diagram of field and equipment. Also mention its rules, terminologies and skills

Choose any one from the following;

- Volley-ball
- Badminton
- Kho – Kho
- Athletics

PROJECT WORK:-

- Explain all steps of SAI (Sports Authority of India) Motor Fitness Test .
- Explain 5 Yoga to prevent four diseases, each disease have explain to two Asana

Instructions for Project:

- Use one sided line one sided plane punch paper sheet.
- Define in below mention headings-
 1. Introduction(origin and advancement)
 2. Procedure ,benefits, contradictions and applications
 3. Write the observation of senior citizen motor fitness test Applying on any elderly member of your family.