



# B. P. S. PUBLIC SCHOOL

MELA ROAD, LAKHIMPUR-KHERI

Affiliation No. 2131845

School Code-70873

## CIRCULAR FOR STUDENTS CLASS-XII

Date-15-06-2023

### ALLOTMENT OF PROJECT FOR THE PRACTICAL BOARD EXAMINATION AISSCE/XII : 2023 – 24

This is to inform you that the project files and lab manuals for the AISSCE XII Board 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- 15<sup>TH</sup> 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 AISSCE/XII : 2023 – 24

SUBJECT : .....

SUBJECT CODE : .....

TOPIC : .....

.....

SUBMITTED BY

.....

SUBMITTED TO

.....

ROLL NO.

# CERTIFICATE

This is to certify that this project has been made by ..... Of  
class XII for the partial fulfillment of AISSCE Practical examination  
2023 – 24 in subject .....entitled on  
..... Under my guidance and  
have been completed it successfully .

.....

Internal Examiner Sign.

.....

External Examiner Sign.

.....

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)**

Design the cover page  
according to subject and  
Topic

*Library Management  
System  
Project In  
Python & MySQL*



**SUBJECT – PHYSICS (042) / ACCOUNTANCY (055)**

S.NO.	STUDENT NAMES	TITLE OF PROJECT
1	ADHYA MISHRA	POTENTIAL OF ORBITRARY CHARGE DISTRIBUTION AT FAR POINT
2	AMRITA BALMIKI	TRANSFORMERS: DISCOVERY , DESIGN AND WORKING
3	ANANT DWIVEDI	GALVANOMETER: TYPES , DESIGN , WORKING AND USES
4	ANANYA PATWA	TO STUDY THE VARIOUS FACTORS ON WHICH THE INTERNAL RESISTANCE OF A CELL DEPENDS
5	ANSHIKA SRIVASTAVA	CASH FLOW STATEMENT – ANY OF THE COMPANIES
6	ARUSHI VERMA	TELESCOPE: DESIGN , DEVELOPMEMNT AND WORKING
7	ARYAN VERMA	P-N JUNCTION : DEVELOPMENT , FUNCTION AND USES
8	ASHUTOSH DIXIT	STUDY THE DEPENDENCE OF ANGEL OG DEVIATION ON REFRACTIVE INDEX FOR EQUILATERAL PRISM
9	BRIJESH KUMAR	INTEFERENCE AND ITS USES IN DAILY LIFE
10	HARSHIT RASTOGI	TO STUDY OF EFFECT OF INCREASING RESISTANCE ON RESONANCE IN LCR CIRCUIT
11	HIMANSHU VERMA	STUDY OF ANTI REFLECTING SURFACES
12	HUMBLE SATTAR	RATIO ANALYSIS – TYPES AND EXAMPLE OF VERY RATIO
13	ISHAAN SAXENA	STUDY OF ANTI REFLECTING SURFACES
14	KISHAN CHAUDHARY	TO STUDY OF EFFECT OF INCREASING RESISTANCE ON RESONANCE IN LCR CIRCUIT
15	NIKHIL TIWARI	INTEFERENCE AND ITS USES IN DAILY LIFE
16	PRAKHAR JAISWAL	CASH FLOW STATEMENT – ANY OF THE COMPANIES
17	PRASOON SHUKLA	STUDY THE DEPENDENCE OF ANGEL OG DEVIATION ON REFRACTIVE INDEX FOR EQUILATERAL PRISM
18	PREESHIKA CHAURASIA	RATIO ANALYSIS – TYPES AND EXAMPLE OF VERY RATIO
19	RAHUL KASHYAP	P-N JUNCTION : DEVELOPMENT , FUNCTION AND USES
20	RAVI VERMA	TELESCOPE: DESIGN , DEVELOPMEMNT AND WORKING
21	SRISHTI YADAV	GALVANOMETER: TYPES , DESIGN , WORKING AND USES
22	VERSHA KHUSWAHA	TO STUDY THE VARIOUS FACTORS ON WHICH THE INTERNAL RESISTANCE OF A CELL DEPENDS
23	VIKAS SHARMA	RATIO ANALYSIS – TYPES AND EXAMPLE OF VERY RATIO
24	VISHAL GUPTA	CASH FLOW STATEMENT – ANY OF THE COMPANIES
25	YASHARTH MISHRA	CASH FLOW STATEMENT – ANY OF THE COMPANIES

## **INSTRUCTIONS FOR PREPARING PROJECT OF ACCOUNTANCY :**

### **TOPIC-1 CASH FLOW STATEMENT :-**

- 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 RATIO- ANALYSIS :-**

### **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  $\text{KMnO}_4$  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 paramagnet.

### **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- Stock Exchange**

#### **Arrangement of Headings:-**

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



## **Topic- Consumer Protection**

### **Arrangement of Headings-**

1. Introduction
  - Describe Law of Consumer
  - Meaning of Consumer
  - Rights of a Consumer
  - Liabilities of a consumer
2. Paste colourful pictures wherever required
3. Conclusion

## **Topic- Principles of Management**

### **Arrangement of Headings:-**

1. Introduction
  - Meaning of principles
  - Describe F.W. Taylor's Principles
  - Describe Henry Fayol's 14 Principles
  - Importance of Management Principles in modern world
2. Paste colourful pictures wherever required
3. Conclusion.

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

<b>S.NO.</b>	<b>STUDENT NAMES</b>	<b>TITLE OF PROJECT</b>
<b>1</b>	ADHYA MISHRA	TO STUDY PRESENCE OF OXALATE IONS IN GUAVA
<b>2</b>	AMRITA BALMIKI	TO STUDY STERILIZATION OF WATER USING BLEACHING POWDER
<b>3</b>	ANANT DWIVEDI	TO STUDY OF PAPER CHROMATOGRAPHY
<b>4</b>	ANANYA PATWA	TO STUDY OF COMMON FOOD ADULTERNCE IN FAT , BUTTER AND OIL
<b>5</b>	ANSHIKA SRIVASTAVA	PRINCIPLES OF MANAGEMENT
<b>6</b>	ARUSHI VERMA	PREPARTION OF POTASH ALUM
<b>7</b>	ARYAN VERMA	QUANTITY OF PRESENCE OF CASEIN IN MILK
<b>8</b>	ASHUTOSH DIXIT	TO STUDY PRESENCE OF OXALATE IONS IN GUAVA
<b>9</b>	BRIJESH KUMAR	TO STUDY STERILIZATION OF WATER USING BLEACHING POWDER
<b>10</b>	HARSHIT RASTOGI	TO STUDY OF PAPER CHROMATOGRAPHY
<b>11</b>	HIMANSHU VERMA	TO STUDY OF COMMON FOOD ADULTERNCE IN FAT , BUTTER AND OIL
<b>12</b>	HUMBLE SATTAR	PRINCIPLES OF MANAGEMENT
<b>13</b>	ISHAAN SAXENA	PREPARTION OF POTASH ALUM
<b>14</b>	KISHAN CHAUDHARY	QUANTITY OF PRESENCE OF CASEIN IN MILK
<b>15</b>	NIKHIL TIWARI	TO STUDY PRESENCE OF OXALATE IONS IN GUAVA
<b>16</b>	PRAKHAR JAISWAL	STOCK EXCHANGE
<b>17</b>	PRASOON SHUKLA	TO STUDY PRESENCE OF OXALATE IONS IN GUAVA
<b>18</b>	PREESHIKA CHAURASIA	PRINCIPLES OF MANAGEMENT
<b>19</b>	RAHUL KASHYAP	TO STUDY STERILIZATION OF WATER USING BLEACHING POWDER
<b>20</b>	RAVI VERMA	TO STUDY OF PAPER CHROMATOGRAPHY
<b>21</b>	SRISHTI YADAV	TO STUDY OF COMMON FOOD ADULTERNCE IN FAT , BUTTER AND OIL
<b>22</b>	VERSHA KHUSWAHA	PREPARTION OF POTASH ALUM
<b>23</b>	VIKAS SHARMA	MARKETING MANAGEMENT
<b>24</b>	VISHAL GUPTA	STOCK EXCHANGE
<b>25</b>	YASHARTH MISHRA	STOCK EXCHANGE

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

S.NO.	STUDENT NAMES	TITLE OF PROJECT
1	ADHYA MISHRA	APPLICATION OF INTEGRALS
2	AMRITA BALMIKI	HOW DOES MICRO WAVE RADIATION AFFECT ORGANISM
3	ANANT DWIVEDI	DOES OREGANO OIL HAVE AN ANTIBIOTIC EFFECT
4	ANANYA PATWA	HARMFUL EFFECTS OF MOBILE RADIATION
5	ANSHIKA SRIVASTAVA	BANKING SYSTEM - MEANING ,TYPES, METHODS
6	ARUSHI VERMA	WHAT ARE THE EFFORTS OF ULTRA VIOLET LIGHT ON BACTERIA MORTALITY
7	ARYAN VERMA	VECTOR ALGEBRA
8	ASHUTOSH DIXIT	APPLICATION OF DERIVATIVES
9	BRIJESH KUMAR	EFFECTS OF EXERCISE ON BLOOD PRESSURE AND PULSE RATE
10	HARSHIT RASTOGI	CONTINUITY AND DIFFERENTIABILITY
11	HIMANSHU VERMA	DIFFERENTIAL EQUATION
12	HUMBLE SATTAR	BANKING SYSTEM - MEANING ,TYPES, METHODS
13	ISHAAN SAXENA	THREE DIMENSIONAL GEOMETRY
14	KISHAN CHAUDHARY	EFFECT OF DIET ON BLOOD GLUCOSE
15	NIKHIL TIWARI	MICROBES IN HUMAN WELFARE
16	PRAKHAR JAISWAL	AGGREGATE DEMAND AND SUPPLY-MEANING , TYPES , DATA
17	PRASOON SHUKLA	HOW DOES MUSIC AFFECT PLANT GROWTH
18	PREESHIKA CHAURASIA	AGGREGATE DEMAND AND SUPPLY-MEANING , TYPES , DATA
19	RAHUL KASHYAP	HOW CIGARETTE AFFECTS YOUR HEALTH
20	RAVI VERMA	WHAT MUSIC DOES BACTERIA ENJOY THE MOST ?
21	SRISHTI YADAV	EFFECTS OF AROMA THERAPY ON HUMAN HEALTH
22	VERSHA KHUSWAHA	DOES THE COLOUR OF LIGHT AFFECT PLANT GROWTH
23	VIKAS SHARMA	BANKING SYSTEM - MEANING ,TYPES, METHODS
24	VISHAL GUPTA	AGGREGATE DEMAND AND SUPPLY-MEANING , TYPES , DATA
25	YASHARTH MISHRA	BANKING SYSTEM - MEANING ,TYPES, METHODS

# 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).
- 6-groups, ear lobes, widow's peak and colourblindness.
- 7-
- 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

### **Instruction for Project of Economics**

Use A4 sheet of white color to make a Project

Draw colorful well-labeled diagram, terminologies and skills

### **Topic- Digital India Movement**

#### **Arrangement of headings:-**

1. Introduction
  - Meaning
  - Importance
  - Features
2. Describe main contents of the topic
3. Draw colorful pictures and paste with examples.
4. Conclusion

## **Topic- Banking**

### **Arrangement of headings:-**

1. Introduction of Banking system
  - History
  - Meaning
  - Indian Banking System
2. Its importance and Main features
3. Paste colorful pictures wherever required
4. Conclusion

## **Topic- Theory of Demand and Supply**

### **Arrangement of headings:-**

1. Introduction
  - Meaning of demand
  - Meaning of supply
  - Inter-relation between them
  - Describe whole Theory of Demand and supply
  - Draw colorful diagrams
2. Paste colorful pictures wherever required
3. Conclusion

## English Core (301) PROJECT AISSCE/XII – 2023 – 24

**Topic "The best life lessons you have learned from The Protagonists of the stories ."( Flamingo and Vistas) .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	ADHYA MISHRA	ONLINE VOTING SYSYTEM
2	AMRITA BALMIKI	ONLINE LPG BOOKING SYSTEM
3	ANANT DWIVEDI	SCHOOL MANAGEMENT SYSTEM
4	ANANYA PATWA	LIBRARY MANAGEMENT SYSTEM
5	ANSHIKA SRIVASTAVA	MOVIE TICKET MANAGEMENT SYSTEM
6	ARUSHI VERMA	ONLINE VOTING SYSYTEM
7	ARYAN VERMA	ONLINE LPG BOOKING SYSTEM
8	ASHUTOSH DIXIT	SCHOOL MANAGEMENT SYSTEM
9	BRIJESH KUMAR	LIBRARY MANAGEMENT SYSTEM
10	HARSHIT RASTOGI	MOVIE TICKET MANAGEMENT SYSTEM
11	HIMANSHU VERMA	ONLINE VOTING SYSYTEM
12	HUMBLE SATTAR	ONLINE LPG BOOKING SYSTEM
13	ISHAAN SAXENA	SCHOOL MANAGEMENT SYSTEM
14	KISHAN CHAUDHARY	LIBRARY MANAGEMENT SYSTEM
15	NIKHIL TIWARI	MOVIE TICKET MANAGEMENT SYSTEM
16	PRAKHAR JAISWAL	ONLINE VOTING SYSYTEM
17	PRASOON SHUKLA	ONLINE LPG BOOKING SYSTEM
18	PREESHIKA CHAURASIA	SCHOOL MANAGEMENT SYSTEM
19	RAHUL KASHYAP	LIBRARY MANAGEMENT SYSTEM
20	RAVI VERMA	MOVIE TICKET MANAGEMENT SYSTEM
21	SRISHTI YADAV	ONLINE VOTING SYSYTEM
22	VERSHA KHUSWAHA	ONLINE LPG BOOKING SYSTEM
23	VIKAS SHARMA	SCHOOL MANAGEMENT SYSTEM
24	VISHAL GUPTA	LIBRARY MANAGEMENT SYSTEM
25	YASHARTH MISHRA	MOVIE TICKET MANAGEMENT SYSTEM



### **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 Labelled diagram of field and equipment. Also mention its rules, terminologies and skills.

Choose any one from the following;

- Volley-ball
- Badminton

### **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.