



**ASIAN INTERNATIONAL SCHOOL**  
**SUMMER HOLIDAY HOMEWORK**  
**CLASS XII SCIENCE**  
**SESSION: 2023-2024**

SUBJECT	TASK ASSIGNED		21st CENTURY SKILLS
ENGLISH	<b>PROJECT-</b> The History of Indigo Cultivation in India: Research the history of indigo cultivation in India, including its origins, the impact of the British Raj, and the role of Mahatma Gandhi in the Champaran Satyagraha.  <b>Guidelines:</b> 1) The work must be done in channel file using A4 paper. 2) Relevant pictures to be used to enhance the beautification of the project. 3) Students must use only black or blue pen. 4) The chronology to be used while making the project is as follows:  1)Title Page 2) Acknowledgement 3) Table of Contents 4) Introduction of the Topic 5) Aims and Objectives 6) Body of the project ( along with pictures) 7) Conclusion 8) Bibliography  ( Word Limit - 800- 1000 words)		<ul style="list-style-type: none"><li>● Cognitive skills</li><li>● Creative and critical thinking skills</li><li>● Creative skills</li><li>● Writing and analytical skills</li></ul>
	PHYSICS	<b>ROLL NO</b>	<b>PROJECT</b>
1- 10		To study various factors on which the internal resistance/EMF of a cell depends.	
11-20		To study the variations in current flowing in a circuit containing an LDR because of a variation in  (a) the power of the incandescent lamp, used to 'illuminate' the LDR (keeping all the lamps at a fixed distance). (b) the distance of a incandescent lamp (of fixed power) used to 'illuminate' the LDR.	

20-32

To find the refractive indices of (a) water (b) oil (transparent) using a plane mirror, an equiconvex lens (made from a glass of known refractive index) and an adjustable object needle.

### **GUIDELINES FOR THE PROJECT**

- **GENERAL INSTRUCTIONS :**

1. STUDENTS SHOULD COMPLETE THE PROJECT WITHIN 15-20 A4 SIZE WHITE PAGES.
2. FIRST FOUR PAGES OF THE PROJECT (**COVER PAGE, CERTIFICATE, DECLARATION & ACKNOWLEDGEMENT**) SHOULD BE INSERTED IN THE PROJECT IN ***PRINTED FORM***.
3. THE BODY OF THE PROJECT SHOULD BE ***HANDWRITTEN ONLY***.
4. PHOTOGRAPHS, DIAGRAMS, CHARTS, TABLES, GRAPHS CAN BE DRAWN AS WELL AS CAN BE PASTED.
5. THE PROJECT HAS TO BE SUBMITTED WITHIN ***CHANNEL FILE***.
6. EACH & EVERY PAGE SHOULD BE CONTAINING MARGIN IN ALL SIDES.
7. ALWAYS USE RIGHT HAND SIDE PAGE FOR WRITING & LEFT ONE CAN BE USED FOR PASTING OR DRAWING THE DIAGRAMS, GRAPHS, PICTURES, CHARTS, FLOW CHARTS & TABLES ETC

- **PROJECT FILE FORMAT :**

1. Cover Page
2. Certificate
3. Declaration
4. Acknowledgement
5. Index
6. Introduction
7. Objective of the project
8. Materials and apparatus required
9. Procedure
10. Observation
11. Calculation (if any)
12. Conclusion / Result

	<p style="text-align: center;"><b>Suggested Books</b></p> <p>1. Physics, Class XII, Part -I and II, Published by NCERT.</p> <p>2. Laboratory Manual of Physics for class XII Published by NCERT</p> <p>3. Any other relevant authentic source/online</p>	
<b>CHEMISTRY</b>	<p><b>INVESTIGATORY PROJECT- <u>(any one has to be written)</u> :</b></p> <ol style="list-style-type: none"> <li>1) • Study of the presence of oxalate ions in guava fruit at different stages of ripening.</li> <li>2) • Study of quantity of casein present in different samples of milk.</li> <li>3) • Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc.</li> <li>4) • Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.)</li> <li>5) • Study of digestion of starch by salivary amylase and effect of pH and temperature on it.</li> <li>6) • Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc.</li> <li>7) • Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), Illaichi (cardamom).</li> <li>8) • Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper.</li> </ol> <p><b><u>GUIDELINES FOR THE PROJECT</u></b></p> <ul style="list-style-type: none"> <li>• <b><u>GENERAL INSTRUCTIONS :</u></b></li> <li>8. STUDENTS SHOULD COMPLETE THE PROJECT WITHIN 15-20 A4 SIZE WHITE PAGES.</li> <li>9. FIRST FOUR PAGES OF THE PROJECT (<b>COVER PAGE, CERTIFICATE, DECLARATION &amp; ACKNOWLEDGEMENT</b>) SHOULD BE INSERTED IN THE PROJECT IN <b><i>PRINTED FORM</i></b>.</li> <li>10. THE BODY OF THE PROJECT SHOULD BE <b><i>HANDWRITTEN ONLY</i></b>.</li> <li>11. PHOTOGRAPHS, DIAGRAMS, CHARTS, TABLES, GRAPHS CAN BE DRAWN AS WELL AS CAN BE PASTED.</li> <li>12. THE PROJECT HAS TO BE SUBMITTED WITHIN <b><i>CHANNEL FILE</i></b>.</li> <li>13. EACH &amp; EVERY PAGE SHOULD BE CONTAINING MARGIN IN ALL SIDES.</li> <li>14. ALWAYS USE RIGHT HAND SIDE PAGE FOR</li> </ul>	<ul style="list-style-type: none"> <li>● Practical skills</li> <li>● Reasoning skills.</li> <li>● Complex problem-solving skills</li> <li>● Cognitive skills</li> <li>● Analytical thinking skills.</li> </ul>

	<p>WRITING &amp; LEFT ONE CAN BE USED FOR PASTING OR DRAWING THE DIAGRAMS, GRAPHS, PICTURES, CHARTS, FLOW CHARTS &amp; TABLES ETC</p> <p>● <b><u>PROJECT FILE FORMAT :</u></b></p> <ol style="list-style-type: none"> <li>1. Cover Page</li> <li>2. Certificate</li> <li>3. Declaration</li> <li>4. Acknowledgement</li> <li>5. Index</li> <li>6. Introduction</li> <li>7. Objective of the project</li> <li>8. Materials and apparatus required</li> <li>9. Procedure</li> <li>10. Observation</li> <li>11. Calculation (if any)</li> <li>12. Conclusion / Result</li> <li>13. Bibliography</li> </ol>	
<b>MATHEMATICS</b>	<p>Assertion-Reasoning MCQs</p> <p>Each of these questions contains two statements: Assertion (A) and Reason (R). Each of these questions also has four alternative choices, any one of which is the correct answer. You have to select one of the codes (a), (b), (c) and (d) given below.</p> <p>(a) A is true, R is true; R is a correct explanation for A.  (b) A is true, R is true; R is not a correct explanation for A..  (c) A is true; R is False.  (d) A is false: R is true.</p> <p>1. Assertion (A) The relation R in the set <math>A = \{1, 2, 3, 4, 5, 6\}</math> defined as <math>R = \{(x, y) : y \text{ is divisible by } x\}</math> is not an equivalence relation.</p> <p>Reason (R) The relation R will be an equivalence relation, if it is reflexive, symmetric and transitive.</p> <p>2. Assertion (A) If R is the relation defined in set <math>\{1, 2, 3, 4, 5, 6\}</math> as <math>R = \{(a, b) : b = a + 1\}</math>, then R is reflexive.</p> <p>Reason (R) The relation R in the set <math>\{1, 2, 3\}</math> given by <math>R = \{(1, 2), (2, 1)\}</math> is symmetric.</p> <p>3. Let R be any relation in the set A of human beings in a town at</p>	<ul style="list-style-type: none"> <li>● Logical thinking skills.</li> <li>● Complex problem-solving skills</li> <li>● Cognitive skills</li> <li>● Analytical thinking skills.</li> </ul>

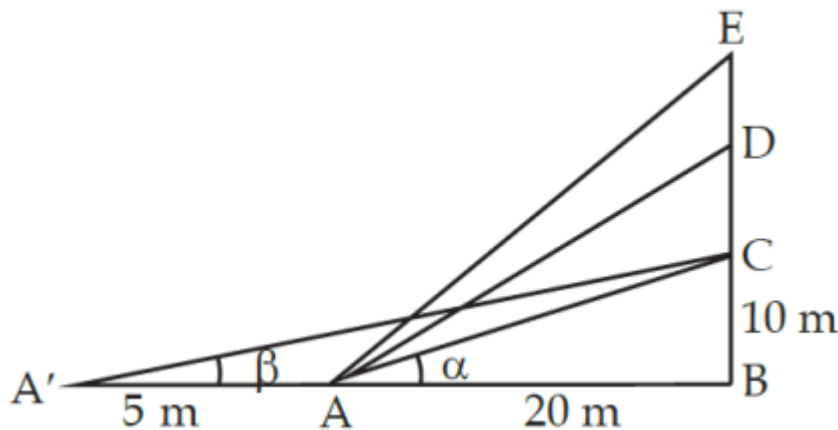
a particular time.

Assertion (A) If  $R = \{(x, y) : x \text{ is wife of } y\}$ , then  $R$  is reflexive.

Reason (R) If  $R = \{(x, y) : x \text{ is father of } y\}$ , then  $R$  is neither reflexive nor symmetric nor transitive.

4. The Government of India is planning to fix a hoarding board at the face of a building on the road of a busy market for awareness on COVID-19 protocol. Ram, Robert and Rahim are the three engineers who are working on this project. 'A' is considered to be a person viewing the hoarding board 20 metres away from the building, standing at the edge of a pathway nearby, Ram Robert and Rahim suggested to the firm to place the hoarding board at three different locations namely C, D and E. 'C' is at the height of 10 metres from the ground level. For the viewer 'A', the angle of elevation of 'D' is double the angle of elevation of 'C'. The angle of elevation of 'E' is triple the angle of elevation of 'C' for the same viewer.

*Look at the figure given and based on the above information answer the following:*



**(i) Measure of  $\angle CAB =$**

- (a)  $\tan^{-1}(2)$
- (b)  $\tan^{-1}(1/2)$
- (c)  $\tan^{-1}(1)$
- (d)  $\tan^{-1}(3)$

**(ii) Measure of  $\angle DAB =$**

- (a)  $\tan^{-1}(3/4)$
- (b)  $\tan^{-1}(3)$
- (c)  $\tan^{-1}(4/3)$
- (d)  $\tan^{-1}(4)$

**(iii) Measure of  $\angle EAB$**

- (a)  $\tan^{-1}(11)$
- (b)  $\tan^{-1}(3)$
- (c)  $\tan^{-1}(2/11)$

(d)  $\tan^{-1}(11/2)$

**(iv) A' is another viewer standing on the same line of observation across the road. If the width of the road is 5 meters, then the difference between  $\angle CAB$  and  $\angle CA'B$  is**

- (a)  $\tan^{-1}(1/12)$
- (b)  $\tan^{-1}(1/8)$
- (c)  $\tan^{-1}(2/5)$
- (d)  $\tan^{-1}(11/21)$

5. Sherlin and Danju are playing Ludo at home during Covid-19. While rolling the dice, Sherlin's sister Raji observed and noted the possible outcomes of the throw every time belongs to set  $\{1, 2, 3, 4, 5, 6\}$ . Let A be the set of players while B be set of all possible outcomes.  $A = \{S, D\}$ ,  $B = \{1, 2, 3, 4, 5, 6\}$

***Based on the above information answer the following:***

**(i) Let  $R : B \rightarrow B$  be defined by  $R = \{(x, y) : y \text{ is divisible by } x\}$  is**

- (a) Reflexive and transitive but not symmetric
- (b) Reflexive and symmetric but not transitive
- (c) Not reflexive but symmetric and transitive
- (d) Equivalence

**(ii) Raji wants to know the number of functions from A to B. How many number of functions are possible?**

- (a)  $6^2$
- (b)  $2^6$
- (c)  $6!$
- (d)  $2^{12}$

**(iii) Let R be a relation on B defined by  $R = \{(1, 2), (2, 2), (1, 3), (3, 4), (3, 1), (4, 3), (5, 5)\}$ . Then R is**

- (a) Symmetric
- (b) Reflexive
- (c) Transitive
- (d) None of these three

**(iv) Raji wants to know the number of relations possible from A to B. How many numbers of relations are possible?**

- (a)  $6^2$
- (b)  $2^6$
- (c)  $6!$
- (d)  $2^{12}$

**(v) Let  $R : B \rightarrow B$  be defined by  $R = \{(1, 1), (1, 2), (2, 2), (3, 3), (4, 4), (5, 5), (6, 6)\}$ , then R is**

- (a) Symmetric

	(b) Reflexive and Transitive (c) Transitive and symmetric (d) Equivalence	
<b>COMPUTER SCIENCE</b>	<b>PROJECT-</b> Management System As per CBSE guidelines	<ul style="list-style-type: none"> <li>● Practical skills</li> <li>● Technical Expertise.</li> <li>● Risk Management.</li> <li>● Critical Thinking and Problem Solving</li> </ul>
<b>BIOLOGY</b>	<b>PROJECT (CHOOSE ANY ONE TOPIC) -</b> <ul style="list-style-type: none"> <li>➤ Study on Infertility and its causes and treatment</li> <li>➤ Human Embryogenesis</li> <li>➤ DNA fingerprinting</li> <li>➤ Genetic Mutation types and its causes</li> <li>➤ Pharmacogenomics of Anti-cancer drugs</li> <li>➤ Recombinant DNA technology in today's medicine</li> <li>➤ Designer Baby</li> <li>➤ Genetically modified organisms impact on the Ecosystem</li> </ul> <b>GENERAL INSTRUCTIONS FOR THE STUDENTS:</b> <ul style="list-style-type: none"> <li>➤ STUDENTS SHOULD COMPLETE THE PROJECT WITHIN 20-25 PAGES.</li> <li>➤ FIRST FOUR PAGES OF THE PROJECT (COVER PAGE, CERTIFICATE, ACKNOWLEDGEMENT &amp; CONTENT) SHOULD BE INSERTED IN THE PROJECT IN PRINTED FORM.</li> <li>➤ THE BODY OF THE PROJECT SHOULD BE HAND WRITTEN ONLY.</li> <li>➤ PHOTOGRAPHS, DIAGRAMS, CHARTS, TABLES, GRAPHS CAN BE DRAWN AS WELL AS CAN BE PASTED.</li> <li>➤ HARDCOPY OF THE PROJECT NEED TO BE SUBMITTED WITHIN CHANNEL FILE AFTER</li> </ul>	<ul style="list-style-type: none"> <li>● Excellent written communication skills.</li> <li>● Logical thinking skills.</li> <li>● Motor skills.</li> <li>● Initiating skills</li> <li>● Creativity skills</li> </ul>

REOPENING THE SCHOOL.

- EACH & EVERY PAGE SHOULD BE CONTAINING MARGIN IN ALL SIDES.NO DECORATION IS NEEDED FOR THIS PROJECT.
- ALWAYS USE RIGHT HAND SIDE PAGE FOR WRITING & LEFT ONE CAN BE USED FOR PASTING OR DRAWING THE DIAGRAMS, GRAPHS, PICTURES, CHARTS, FLOW CHARTS & TABLES ETC.
- **CASE STUDY** INCORPORATION IN THE PROJECT IS MANDATORY FOR EVERY PROJECT TOPIC.

#### **FORMAT FOR THE PROJECT**

1. COVER PAGE :
2. CERTIFICATE OF APPROVAL:
3. ACKNOWLEDGEMENT:
5. INDEX/CONTENT:
6. BODY OF PROJECT: THIS MUST VARY FROM TOPIC TO TOPIC.
7. **CASE STUDY**: THIS POINT SHOULD BE WRITTEN WITHIN 3-4 PAGES.TRY TO GIVE REAL DATA/INFORMATION UNDER THIS POINT.
8. REFERENCES: HERE YOU CAN WRITE THE BOOKS NAMES FROM WHERE YOU HAVE GATHERED INFORMATIONS AS WELL AS YOU CAN ADD WEBSITES/LINKS ALSO.

#### **PRACTICAL:**

- Prepare a temporary mount to observe pollen germination.
- Pollen germination on stigma through a permanent slide or scanning electron micrograph.
- Identification of stages of gamete development, i.e., T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice).
- T.S. of blastula through permanent slides (Mammalian).

#### **BIOLOGY INVESTIGATORY PROJECT ADDITIONAL INFORMATION**

FORMAT OF “COVER PAGE, “CERTIFICATE OF APPROVAL PAGE”, “ACKNOWLEDGEMENT PAGE” AND “INDEX/CONTENT PAGE” HAVE BEEN SHARED IN THE NEXT PAGES

#### **ECONOMICS**

	NAME	PROJECT
1	MD.MASUM JAFAR	G-20, Inclusive and Action Oriented

- Practical skills
- Technical Expertise.
- Risk Management.



	2	UMAIR NASIR	Cashless econom		<ul style="list-style-type: none"> <li>● Critical Thinking and Problem Solving</li> </ul>
<b>WEB APPLICATION</b>	<b>PROJECT-</b> Creating a grocery website using CSS and HTML  <u><b>Guidelines</b></u> <ul style="list-style-type: none"> <li>● All the codings should be printed.</li> <li>● Colour screen shots need to be pasted.</li> <li>● Project file should have a spiral binding.</li> <li>● Project file should consist of a certificate as well as acknowledgement.</li> </ul>				<ul style="list-style-type: none"> <li>● Practical skills.</li> <li>● Technical Expertise.</li> <li>● Risk Management.</li> <li>● Critical Thinking and Problem Solving</li> </ul>
<b>PHYSICAL EDUCATION</b>	<b>PROJECT-</b>  <b>RECORD FILE: -*</b>  <b>*Record File shall include:</b> <b>❖Practical-1:</b> Fitness tests administration. a) SAI Khelo India Fitness Test  <b>❖Practical-2:</b> Procedure for Asanas, Benefits & Contraindication for any two Asanas for five lifestyle disease ( <b>Obesity, Diabetes, Asthma, Hypertension, Back pain</b> ).  <b>❖Practical-3:</b> Anyone IOA recognised Sport/Game ( <b>Football, Basketball, Volleyball, Badminton</b> )of your choice. Labelled diagram of Field & Equipment. Also mention its Rules, Terminologies & Skills.  <b>Note: - First five pages should be type and printed (Cover page, Certificate of approval, Declaration, acknowledgement and Table of Content) and rest of other pages of the Record file should be written in your own handwriting in a shoelace file.</b>				<ul style="list-style-type: none"> <li>● Practical skills</li> <li>● Technical Expertise.</li> <li>● Risk Management.</li> <li>● Critical Thinking and Problem Solving</li> </ul>
<b>INFORMATICS PRACTICES</b>	<b>PROJECT-</b> Booking / Reservation    System. As per CBSE guidelines				<ul style="list-style-type: none"> <li>● Practical skills</li> <li>● Technical Expertise.</li> <li>● Risk Management.</li> <li>● Critical Thinking and Problem Solving</li> </ul>
<b>HEALTH CARE</b>	<b>PROJECT (CHOOSE ANY ONE TOPIC) -</b> <ul style="list-style-type: none"> <li>➤ Schedule tracking and communication skill</li> <li>➤ Electronic visit verification for fraud reduction</li> </ul>				<ul style="list-style-type: none"> <li>● Excellent written communication</li> </ul>

- **Automated monitoring system for advanced medical products**
- **Block chain based record system**
- **Using Rapid Access Multidisciplinary Palliative Assessment to Improve Cancer Patient Experience**
- **Tracking Solution For the Logistics in a Hospital in Real-Time**

- skills.
- Logical thinking skills.
  - Motor skills.
  - Initiating skills
  - Creativity skills

#### **GENERAL INSTRUCTIONS FOR THE STUDENTS:**

- STUDENTS SHOULD COMPLETE THE PROJECT WITHIN 15-20 PAGES.
- FIRST FOUR PAGES OF THE PROJECT (COVER PAGE, CERTIFICATE, ACKNOWLEDGEMENT & CONTENT) SHOULD BE INSERTED IN THE PROJECT IN PRINTED FORM.
- THE BODY OF THE PROJECT SHOULD BE HAND WRITTEN ONLY.
- PHOTOGRAPHS, DIAGRAMS, CHARTS, TABLES, GRAPHS CAN BE DRAWN AS WELL AS CAN BE PASTED.
- HARDCOPY OF THE PROJECT NEED TO BE SUBMITTED WITHIN CHANNEL FILE AFTER REOPENING THE SCHOOL.
- EACH & EVERY PAGE SHOULD BE CONTAINING MARGIN IN ALL SIDES.NO DECORATION IS NEEDED FOR THIS PROJECT.
- ALWAYS USE RIGHT HAND SIDE PAGE FOR WRITING & LEFT ONE CAN BE USED FOR PASTING OR DRAWING THE DIAGRAMS, GRAPHS, PICTURES, CHARTS, FLOW CHARTS & TABLES ETC.

#### **FORMAT FOR THE PROJECT**

1. COVER PAGE :
2. CERTIFICATE OF APPROVAL:
3. ACKNOWLEDGEMENT:
5. INDEX/CONTENT:
6. BODY OF PROJECT: THIS MUST VARY FROM TOPIC TO TOPIC.
7. REFERENCES: HERE YOU CAN WRITE THE BOOKS NAMES FROM WHERE YOU HAVE GATHERED INFORMATIONS AS WELL AS YOU CAN ADD WEBSITES/LINKS ALSO.

#### **PRACTICALS- HEALTHCARE:**

- Prepare the chart on different types of entries of Patient.
- Preparing and maintaining of the medical record of the sick students who are coming to medical room.

	<p>➤ Preparing medical form (containing personal details and past medical history) for sick students who will come to Medical room.</p> <p><b>EMPLOYABILITY SKILL:</b></p> <p>➤ Demonstration of the key aspects of becoming active listener</p> <p>➤ Preparing posters of steps for active listening</p> <p>➤ Demonstration and practice of writing sentences and paragraphs on topics related to the subject</p> <p style="text-align: center;"><b><u>HEALTHCARE PROJECT ADDITIONAL INFORMATIONS</u></b></p> <p style="text-align: center;">FORMAT OF “COVER PAGE, “CERTIFICATE OF APPROVAL PAGE”, “ACKNOWLEDGEMENT PAGE” AND “INDEX/CONTENT PAGE” HAVE BEEN SHARED IN THE NEXT PAGES</p>	
<b>AI</b>	<p><b>PROJECT-</b></p> <ol style="list-style-type: none"> <li><b>1. Demonstration of the key aspects of becoming active listener</b></li> <li><b>2. Preparing posters of steps for active listening</b></li> <li><b>3. Demonstration and practice of writing sentences and paragraphs on the topics related to the subjects</b></li> </ol>	

**N.B:** Details of the Projects have been uploaded on ERP as well as shared on the official class What'app group.

# ASIAN INTERNATIONAL SCHOOL



## CHEMISTRY INVESTIGATORY PROJECT

“NAME OF THE PROJECT”

NAME OF THE STUDENT:

SUBJECT CODE: 043

REGISTRATION NUMBER-

BOARDS ROLL NUMBER:

SCHOOL CODE: 15543

SESSION: 2023-2024

GUIDED BY:

# CERTIFICATE OF APPROVAL

This is to certify that I, .....  
Student of class ..... section..... of Asian International School has  
Successfully completed the investigatory project  
.....As  
prescribed by the **All India Senior secondary Certificate Examination (AISSCE)** for the  
academic year 2023-2024.

**Date:**

.....

**Principal's Signature**

.....

**Signature of External examiner**

.....

**Signature Of Internal Examiner**

# ACKNOWLEDGEMENT

I express my special thanks to my principal .....

& my Chemistry teacher ..... who always gave me guidance and helped me to know about the project. I had made this project and research work with utmost sincerity . I am very thankful to all those people who helped me and guided me to make such a project. I also thank my parents who have provided me all the resources required to make this project.

Student's name:

Class and section:

# CONTENT/INDEX

SL NO.	POINTS OF THE PROJECT	PAGE NO.

# ASIAN INTERNATIONAL SCHOOL



## BIOLOGY INVESTIGATORY PROJECT

**“NAME OF THE PROJECT”**

**NAME OF THE STUDENT:**

**SUBJECT CODE: 044**

**REGISTRATION NUMBER-**

**BOARDS ROLL NUMBER:**

**SCHOOL CODE: 15543**

**SESSION: 2023-2024**

**GUIDED BY:**



# CERTIFICATE OF APPROVAL

This is to certify that I, .....  
Student of class ..... section..... of Asian International School has  
Successfully completed the investigatory project  
.....As  
prescribed by the **All India Senior secondary Certificate Examination (AISSCE)** for the  
academic year 2023-2024.

**Date:**

.....

**Principal's Signature**

.....

**Signature of External examiner**

.....

**Signature Of Internal Examiner**

# ACKNOWLEDGEMENT

I express my special thanks to my principal .....

& my Biology teacher ..... who always gave me guidance and helped me to know about the project. I had made this project and research work with utmost sincerity . I am very thankful to all those people who helped me and guided me to make such a project. I also thank my parents who have provided me all the resources required to make this project.

Student's name:

Class and section:

CONTENT/INDEX

SL NO.	POINTS OF THE PROJECT	PAGE NO.

# ASIAN INTERNATIONAL SCHOOL



## HEALTHCARE PROJECT

“NAME OF THE PROJECT”

NAME OF THE STUDENT:

SUBJECT CODE: 813

REGISTRATION NUMBER-

BOARDS ROLL NUMBER:

SCHOOL CODE: 15543

SESSION: 2023-2024

GUIDED BY:

# CERTIFICATE OF APPROVAL

This is to certify that I, .....  
Student of class ..... section..... of Asian International School has  
Successfully completed the investigatory project  
.....As  
prescribed by the **All India Senior secondary Certificate Examination (AISSCE)** for the  
academic year 2023-2024.

**Date:**

.....

**Principal's Signature**

.....

**Signature of External examiner**

.....

**Signature Of Internal Examiner**

# ACKNOWLEDGEMENT

I express my special thanks to my principal .....

& my Biology teacher ..... who always gave me guidance and helped me to know about the project. I had made this project and research work with utmost sincerity . I am very thankful to all those people who helped me and guided me to make such a project. I also thank my parents who have provided me all the resources required to make this project.

Student's name:

Class and section:

# CONTENT/INDEX

SL NO.	POINTS OF THE PROJECT	PAGE NO.

# ASIAN INTERNATIONAL SCHOOL



## PHYSICS PROJECT

**“NAME OF THE PROJECT”**

**NAME OF THE STUDENT:**

**SUBJECT CODE: 042**

**REGISTRATION NUMBER-**

**BOARDS ROLL NUMBER:**

**SCHOOL CODE: 15543**

**SESSION: 2023-2024**

**GUIDED BY:**



# CERTIFICATE OF APPROVAL

This is to certify that I, .....  
Student of class ..... section..... of Asian International School has  
Successfully completed the Physics project  
.....As  
prescribed by the **All India Senior secondary Certificate Examination (AISSCE)** for the  
academic year 2023-2024.

**Date:**

.....

**Principal's Signature**

.....

**Signature of External examiner**

.....

**Signature Of Internal Examiner**

# ACKNOWLEDGEMENT

I express my special thanks to my principal .....

& my Physics teacher ..... who always gave me guidance and helped me to know about the project. I had made this project and research work with utmost sincerity . I am very thankful to all those people who helped me and guided me to make such a project. I also thank my parents who have provided me all the resources required to make this project.

Student's name:

Class and section:

# CONTENT/INDEX

SL NO.	POINTS OF THE PROJECT	PAGE NO.