



INTEGRATED INDIAN SCHOOL, KUWAIT

CLASS X (2023-24)



GENERAL INSTRUCTIONS/GUIDELINES

1. Assignments must be submitted on the first day when the school reopens.
2. Compile all the work and submit it in a clear folder.
 - a. Your full name roll number and class must be written clearly on the folder.
 - b. Make the folder attractive.
 - c. Each item must begin on a fresh page.
 - d. Overall presentation – layout/neatness/grammar/spelling/illustration and handwritten.

ENGLISH

1. **Create a portfolio file** and give it an attractive cover page with your details (Name, Roll no, Class/Sec). It should include an index page, introduction page and acknowledgement page. Portfolio must have the following things –

1. Collect stories of holocaust victims or war survivor stories and write them in your own words. (100-120 words)
2. Make a bookmark, with a quotation on 'PEACE' or 'FREEDOM'.
3. Design a poster on – Peace

Your file should be creative and colourful and attempted after thorough research & careful planning

2. CREATE POWERPOINT PRESENTATION – FOOT PRINTS WITHOUT FEET (SUPPLEMENTARY READER)

- Create a PPT on the lesson "BHOLI"
- Create a PPT on the lesson "THE NECKLACE"
- Create a PPT on the lesson "THE MAKING OF A SCIENTIST"

3. BOOK REVIEW

Read the book **"The Diary of a Young Girl"** by **Anne Frank** and write a book review for the same. Make sure you include your personal response to the review.

- Also make a creative book jacket and put the review in it.

4. LETTER WRITING

- You are Naresh / Nandini of Safdarjung, New Delhi. You are deeply saddened by the attacks on elderly persons who live alone. Write a letter to the editor of 'The New India News' making people aware of the authorities to guarantee that such attacks do not occur.

- You are Rahul living at 7, Raven Organics, Orchard Road Mumbai. You purchased a washing machine last week from Tirupati Stores, Nampally, Mumbai but it is not working properly. Write a complaint letter to the dealer to raise the issue regarding the same with necessary details.
- You intend to join coaching classes at Success Coaching Centre situated in Chennai. The institute specializes in teaching science to classes XI – XII. Write a letter of enquiry in 100 – 120 words addressed to the Administrator in – charge of the institute seeking clarification about the timing, duration, staff, transport and other necessary details for joining the institute. You are Sumit of Gandhi Road, Chennai.

5. GROUP WORK: ART INTEGRATED PROJECT

Prepare a group activity based on the lesson **Glimpses of India** (First Flight Reader).

Compare and contrast Goa, Coorg & Assam with Lakshwadeep & Andaman and Nicobar Islands on the bases of

- Languages spoken
- Dance
- Drama
- Writers
- Poets

Format of the project:

- a. The cover page - Name of the Subject- Art Integrated Project, Class & Section and names of the group members and their contribution.
- b. Introduction to the topic connecting it to the above-mentioned subjects.
- c. Photographs
- d. Information
- e. Conclusion

- f. Bibliography (References)
- g. Teachers report page.

Direction to the students

- ❖ This project is compulsory and part of the course work
- ❖ This project must be accomplished by each student
- ❖ Project must be prepared (hand written) on A4 Paper.
- ❖ The project should have at least 10 to 12 pages.
- ❖ Project can be neatly prepared with the help of pictures and art forms.

This project will be evaluated for Internal assessment based on the Guidelines on Art-Integrated Learning issued by the CBSE.

विषय-हिंदी 'ब'

- 1) विज्ञापन एलबम (भारत के द्वीपसमूह "अंडमान निकोबार और लक्षद्वीप" के पर्यटन को बढ़ावा देने हेतु आकर्षक विज्ञापनों का संग्रह)
- 2) अनुच्छेद लेखन - कोई 3 (समसामयिक एवं व्यावहारिक जीवन से जुड़े हुए विषयों पर लगभग 120 शब्दों में)
- 3) औपचारिक पत्र लेखन - कोई 2 (शिकायती पत्र एवं सम्पादकीय पत्रों के दो-दो उदाहरण 100 शब्दों में)
- 4) लघु कथा लेखन - कोई 2 (अंडमान निकोबार द्वीपसमूह की लोक कथाएँ)

FRENCH

- 1) Write the question and answers of leçons 2 to 6 (3 times) and learn them.
- 2) Write & learn all the letters (3 times)
- 3) Write the grammaire of leçons 2 to 6 (2 times)

- 4) Prepare the Portfolio of leçons 2 to 6
- 5) Prepare the art integrated project of Lakshadweep, Andaman and Nicobar Islands. Your project must have all these topics
 1. Tourism of Lakshadweep, Andaman and Nicobar Islands.
 2. Festival information with the pictures
 3. Famous & tradition attire
 4. Famous author or poet
 5. Music and dance.
 6. Famous and traditional food.
 7. Explanation of map

URDU

فعل کی تعریف اور اس کی قسمیں لکھ کر لانا ، مہاورے 10 ، سافے اور لاحقے پانچ پانچ ، مترادف 10 ، متضاد 10 ، واحد جمع 10 ، مکر سے مونس 10 ، درخواست 1 مضمون 1 جو نوٹ بک میں لکھوائے گئے ہیں لکھ کر لانا

کسی ایک نظم کو خوش خط میں تصویر کے ساتھ لکھ کر لانا
تمام پڑھائیے گئے سبق سے دو دو سوالوں کو لکھ کر لانا

MATHEMATICS

1. If $\sin \theta + \cos \theta = \sqrt{3}$, then prove that $\tan \theta + \cot \theta = 1$.
2. If $4 \sin \theta - 3 \cos \theta = 0$, find the value of $\frac{12 \sin \theta - 7 \cos \theta}{8 \sin \theta + 3 \cos \theta}$
3. If $\sin \theta = \cos \theta$, then find the value of $2 \tan \theta + \cos^2 \theta$.

4. Prove the following

$$(i) \frac{\sin A - 2\sin^3 A}{2\cos^3 A - \cos A} = \tan A$$

$$(ii) \frac{\tan \theta - \cot \theta}{\sin \theta \cos \theta} = \sec^2 \theta - \operatorname{cosec}^2 \theta = \tan^2 \theta - \cot^2 \theta$$

$$(iii) \frac{\tan \theta + \sec \theta - 1}{\tan \theta - \sec \theta + 1} = \frac{1 + \sin \theta}{\cos \theta}$$

$$(iv) \frac{\tan A}{1 - \cot A} + \frac{\cot A}{1 - \tan A} = 1 + \tan A + \cot A = 1 + \sec A \operatorname{cosec} A.$$

$$(v) \frac{\cos A - \sin A + 1}{\cos A + \sin A - 1} = \operatorname{cosec} A + \cot A$$

$$(vi) (\sin \theta + 1 + \cos \theta) (\sin \theta - 1 + \cos \theta) \cdot \sec \theta \operatorname{cosec} \theta = 2$$

5. If $\tan \theta + \sin \theta = m$ and $\tan \theta - \sin \theta = n$, show that $m^2 - n^2 = 4\sqrt{mn}$

6. If $\cos \theta + \sin \theta = \sqrt{2} \cos \theta$, show that $\cos \theta - \sin \theta = \sqrt{2} \sin \theta$.

7. If $\sec \theta = x + \frac{1}{4x}$, prove that $\sec \theta + \tan \theta = 2x$ or $\frac{1}{2x}$.

8. The shadow of a tower standing on a level ground is found to be 40 m longer when the Sun's altitude is 30° than when it was 60° . Find the height of the tower. [$\sqrt{3} = 1.732$]

9. The angle of elevation of a jet plane from a point A on the ground is 60° . After a flight of 30 seconds, the angle of elevation changes to 30° . If the jet plane is flying at a constant height of $3600\sqrt{3}$ m, find the speed of the jet plane.

10. A man standing on the deck of a ship, which is 10m above the water level observes the angle of elevation of the top of a hill as 60° and the angle of depression of the base of the hill as 30° . Calculate the distance of the hill from the ship and the height of the hill.

11. The angle of elevation of a cloud from a point 60m above a lake is 30° and the angle of depression of the reflection of the cloud in the lake is 60° . Find the height of the cloud.

12. An aeroplane when flying at a height of 4000m from the ground passes vertically above another aeroplane at an instant when the angles of elevation of

the two planes from the same point on the ground are 60° and 45° respectively. Find the vertical distance between the aeroplanes at that instant.

13. At a point on a level ground, the angle of elevation of a vertical tower is found to be such that its tangent is $\frac{5}{12}$. On walking 192m towards the tower, the tangent of the angle of elevation is $\frac{3}{4}$. Find the height of the tower.

14. The angle of elevation of the top Q of a vertical tower PQ from a point X on the ground is 60° . At a point, 40m vertically above X, the angle of elevation is 45° . Find the height of the tower PQ and the distance XQ.

15. The angles of elevation of the top of a rock from the top and foot of a 100 m high tower are 30° and 45° . Find the height of the rock. [$\sqrt{3} = 1.73$]

16. From the top of a 50 m high tower, the angles of depression of the top and bottom of a pole are observed to be 30° and 45° respectively. Find the height of the pole. [$\sqrt{3} = 1.73$]

17. ACTIVITY : Verify the conditions for consistency of a system of linear equations in two variables by graphical representation.

18. **ART INTEGRATED ACTIVITY**

- ❖ Prepare a Project using, bar graph and pie chart on Andaman & Nicobar and Lakshadweep islands using the topics mentioned below.

Format of the project

- ❖ Title page (cover page) Name, roll no. and class should be written.
- ❖ Acknowledgement.
- ❖ Introduction to the topic.
- ❖ Description of the topic.
- ❖ Representation of the topic using pie chart and bar graph.
- ❖ Conclusion.
- ❖ Bibliography (References)
- ❖ Teachers report page.

Direction to the students

- ❖ This project is compulsory and part of the course work.
- ❖ This project must be accomplished by each student separately.
- ❖ Project must be prepared (hand written) on A4 size paper.

- ❖ Total pages of the project should not exceed 15 pages.
- ❖ Project can be neatly prepared with the help of pictures and art forms.
- ❖ Project should not be copied from other students.

Specialised areas of the project

Select the following topics for the Project work:

1. Population – male and female ratio of Andaman & Nicobar islands and Lakshadweep islands. [Double bar graph]
2. Literacy Rate of Andaman & Nicobar islands and Lakshadweep islands. [Double bar graph]
3. Languages in Andaman & Nicobar islands and Lakshadweep islands. [Pie Chart]
4. Religion in Andaman & Nicobar islands and Lakshadweep islands. [Pie chart]
5. Agriculture (any five crops) in Andaman & Nicobar islands and Lakshadweep islands .[Pie Chart]

DISCLAIMER- This project will be evaluated for Internal assessment based on the Guidelines on Art-Integrated Learning issued by the CBSE.

SOCIAL STUDIES

Homework -1

Prepare an assignment on The Role of Indian government in protecting Andaman tribes and promoting their cultural heritage:

Format of the project

- ➔ Title page (cover page) Name, roll no. and class should be written
- ➔ Acknowledgement
- ➔ Content
- ➔ Introduction
- ➔ Indian States and Union Territories (Indian Map to be attached)
- ➔ Andaman and Nicobar Island and its Geographical Back ground (narrate with photo)
 - Link--➔<https://youtu.be/iF7M-CkUEcY>
- ➔ Different Tribal groups in Andaman island (explain with available photo)
- ➔ Ethnicity of Andaman and Nicobar Island

- Link-→https://en.wikipedia.org/wiki/Andamanese_peoples
- Culture of the Andaman tribes and Folk traditions (narrate with Available photos)
- Indian government programmes to protect and promote the Tribal people in Andaman Island
 - Link-→<https://youtu.be/xssja1QnQNo>
 - Link → <https://www.andaman.gov.in/>
- Conclusion
- Bibliography (References)
- Teachers Evaluation Report Page.

Direction to the students

- This project is compulsory and part of the course work
- This project must be accomplished by each student separately
- Project must be prepared (hand written) on A4 Paper
- Total pages of the project should not exceed more than 15 pages.
- Project can be neatly prepared with the help of pictures and art forms.
- Project should not be copied from other students.

DISCLAIMER- This project will be evaluated for Internal assessment based on the Guidelines on Art-Integrated Learning issued by the CBSE.

Homework 2

Economics Project on Consumer Awareness

Objectives:

- The overall objective of the project work is to help students gain an insight and pragmatic understanding of the theme.
- It should also help in enhancing the Life Skills of the students. (E.g. Self-awareness, Empathy, Critical thinking, Decision making, Problem Solving, Effective Communication, Interpersonal relationship).
- If possible, different forms of art may be integrated in the project work.

The criteria for assessment of the Project is as follows:

S.no.	Aspects
A	Content accuracy, Originality and Analysis
B	Presentation and Creativity
C	VIVA

Project Guidelines:

- A4 sized paper (coloured papers can be used - optional)
- Handwritten 10-15 pages (excluding pictures)
- Cover page should be a poster on any of the Consumer Rights:
 - Right to Choose
 - Right to Information
 - Right to Redressal
 - Right to Representation
 - Right to Safety
 - Right to Consumer Education

Project Format:

- Cover page (must include poster, & student details in the bottom - name, class/section)
- Acknowledgement
- Index with page numbers
- Content with all topics covered
- Bibliography (mention the references from where the project content is taken)

Topics to be Covered

- Consumer Movement- Exploitation and Problems faced by consumer
- COPRA (Consumer Protection Act 1986)
- Consumer courts
- Consumer Protection Council.
- Six Consumer Rights in India.
- Write about the Duties & Responsibilities of a Consumer
- 2-3 Personal experience of exploitation as a consumer

Hints:

- A printed image can be easily replaced with a hand drawn one.
- An easy trick- if you can't draw; you can always trace.
- Use coloured paper and colour pens to write
- Spiral binding can be replaced with an easy binding with thread at home or use file.
- Watch the you tube videos of sample projects with some easy creativity.

Homework- 3

LESSON BASED EXERCISES

I. Assertion and Reason Type of Questions

Chapter 1: Development

In the questions given below there are two statements marked as Assertion (A) and Reason (R). Read the statement and choose the correct option.

1. **A: Different people have different developmental goals.**

R: The capitalist approach to development is detrimental to poor section of the society.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

2. **A: Money in your pocket cannot buy all the goods and services that you may need to live well.**

R: So, income by itself is not a completely adequate indicator of material goods and services that citizens are able to use.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

3. **A: Money, or material things that one can buy with it, is one factor on which our life depends.**

R: But the quality of our life does not depend on non-material things.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

4. **A: A high average income is not indicator of the overall well-being or human development in a country.**

R: Average income does not cover indicators like level of literacy rate, health facilities and public facilities in a country.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

5. **A: Non – renewable resources are those which will get exhausted after years of use.**

R: Kerala has a low infant mortality rate because it has adequate provision of basic health and educational facilities.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

6. **A: The average income of a country is about US\$ 12,056; however, the country is still not a developed country.**

R: The income levels are highly skewed for the country.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

7. **A: Sustainable development is a crucial step for the development of a country.**

R: Sustainability is the capability to use the resources judicious and maintain ecological balance.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

8. **A: The crude oil reserves are going down for the entire world, and the countries need to find substitute fuel for crude oil.**

R: A country that is dependent on imports for crude oil will demand more crude oil in the future.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

9. **A: Suppose the literacy rate in a state is 78% and the net attendance ratio in secondary stage is 47%.**

R: More than half of the students are going to other states for elementary education.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

10. **A: Non – renewable resources are abundant in nature.**

R: Non- renewable resources can be replenished over a period of time.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.

d) A is wrong but R is correct.

Chapter 2: Sectors of the Indian Economy

In the questions given below there are two statements marked as Assertion (A) and Reason (R). Read the statement and choose the correct option.

1. **A: The development of agriculture and industry leads to the development of service sector.**

R: As the primary sector develops, the demand for transport, storage structures banks, insurance, etc., increases.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

2. **A: In India, primary sector is the largest employer.**

R: The demand of services has increased enormously.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

3. **A: Disguised unemployment is hidden in contrast to someone who does not have a job and is clearly visible as unemployed. Everyone is working, no one is fully employed.**

R: In actual fact, labor effort gets divided.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

4. **A: Rakesh is an educated and skilled worker who earns a high monthly salary as he is employed in a private bank in a city.**

R: All service sectors in India are growing extremely well and each individual engaged in any kind of tertiary activity earns a high income.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

5. A: GDP shows how big an economy is.

R: GDP is the value of all final goods and services produced within the domestic territory of a country in a year.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

6. A: Under MNREGA 2005, those who are able to and are need of work in rural areas are guaranteed 100 days of employment in a year.

R: The Central Government in India made a law implementing the Right to Work in about 625 districts of India.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

7. A: Reliance Industries is a privately-owned firm.

R: Government is a major stakeholder in reliance industries.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

8. A: Economic activities grouped into three categories are highly dependent.

R: Primary and Secondary activities cannot produce a good unless they are aided by the tertiary sector.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

9. A: In the public sector, the government owns most of the assets and provides all the services.

R: the purpose of the public sector is not first to earn profits but to promote public welfare.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

10.A: Mohan is a shopkeeper who pays his taxes on time. He has employed two workers Rakesh and Raghu in his shop. He pays them well, however, none of the workers get any paid leaves in the year.

R: Rakesh and Raghu are employed in unorganized sector.

Options

- a) Both A and R are true and R is the correct explanation for A.
- b) Both A and R are true and R is not the correct explanation for A.
- c) A is correct but R is wrong.
- d) A is wrong but R is correct.

SCIENCE

PHYSICS

1. Write the Aim, Materials required procedure, observations, and results for the following experiments.
 - I) To trace the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, and angle of emergence, and interpret the result.
 - II) To trace the path of the rays of light through a glass prism.
 - III) To study the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also, plot a graph between V and I.
 - IV) To determine the equivalent resistance of two resistors when connected in parallel.
 - V) To determine the equivalent resistance of two resistors when connected in series.
2. Draw the ray diagrams for image formed by i) concave mirror ii) convex mirror iii) concave lens ii) convex lens

CHEMISTRY

Write the Aim, Materials required procedure, observations, and results for the following experiments.

1. Types of Reactions

- a. To perform and observe the action of water on quicklime and classify the reaction.
- b. To perform and observe the action of heat on crystals of ferrous sulphate and classify the reaction.
- c. To perform and observe the reaction of iron nails kept in copper

sulphate solution and classify the reaction.

d. To perform and observe the reaction between sodium sulphate and barium chloride solutions and classify the reaction.

BIOLOGY

3. Write the Aim, Materials required procedure, observations, and results for the following experiments.
 - i) Prepare a temporary mount of a leaf peel to show stomata.
 - ii) Experimentally show that carbon dioxide is given during respiration.
 - iii) Study (a) binary fission in amoeba and (b) budding in yeast and hydra with the help of prepared slides.
 - iv) Identification of the different parts of an embryo of a dicot seed.

ART INTEGRATED PROJECT

Prepare a power point presentation on Flora and Fauna found in Andaman and Nicobar Island



