

2025-26

## ENGLISH – X

Assessment of speaking and listening (ASL)

Presentation Topics

### **Option 1: Nelson Mandela and Apartheid**

#### **May include**

Title: "Nelson Mandela: A Champion of Equality"

Key Points:

1. Early Life: Mandela's background and influences.
2. Apartheid: Understanding the system of racism.
3. Mandela's Role: His fight against apartheid, leadership, and sacrifices.
4. Legacy: Impact on South Africa and the world.

**OR**

### **Option 2: Anne Frank and the Holocaust**

#### **May include**

Title: "Anne Frank: A Voice of Hope"

Key Points:

1. Anne's Story: Her life, diary, and experiences during WWII.
2. The Holocaust: Understanding the genocide and its impact.
3. Anne's Legacy: Her diary's significance and message of hope.
4. Reflection: Lessons learned and the importance of tolerance.

#### Speaking and Listening Activity

1. Prepare: Research and create a presentation.
2. Deliver: Presentation to the class. Discuss: Engage in a Q&A session and discussion. Share thoughts and insights on the topics.
4. Submission of soft copy of Presentation or Written copy of document in a file.

## **LITERATURE**

**Note down the following questions and answer them as directed, in your English Literature notebook.**

**Prose**

### **The Letter to God**

1.How far would you agree that one’s positivity can bring in a spark of brightness even in adverse circumstances? [2024, 40-50 words]

2.In what manner did Lencho’s cornfield suffer damage? Did he hold any expectations of receiving assistance? (A Letter to God) [40-50 words]

3.What idea does the Postmaster come up with? What did he do to stick to his resolution? [2024, 40-50 words]

4.Explain the irony in the chapter, “A Letter to God”. [2024, 40-50 words]

### **A Triumph of Surgery**

1.“We are often over-indulgent towards people we care about.” Explain with reference to the context of the story “A Triumph of Surgery”.

2.What excuses did Mrs. Pumphrey make about Mr. Herriot’s advice? [2023, 40-50 words]

3.Mrs. Pumphrey, the overindulgent and caring mistress of Tricki, pampers her pet dog like a spoiled child, Comment. [2020, 100-150 words]

### **The Thief’s Story**

1."Hari’s character evolves from being deceitful and opportunistic to remorseful and seeking redemption."

In the light of the above information, describe how his decision to return the money signifies a moral awakening in him and a newfound appreciation for Anil’s kindness and mentorship. (30-40 words)

2.Hari Singh says – “He knew it but neither his lips nor his eyes showed anything.”

Anil successfully addressed the situation by not addressing it at all. Elaborate based on your reading of The Thief's Story. [2024, 100-120 words]

6. Imagine that Hari Singh from 'The Thief's Story' by Ruskin Bond, writes a diary entry, exploring the theme of human values and relations that are essential in life and can transform a person in the context of his own experience. Write this diary entry as Hari Singh. [2024, 100-120 words]

### Poem

1. In the poem "**Dust of Snow**", the 'hemlock tree' and the 'crow' hold specific meanings. Elaborate on how these symbols are utilized within the context of the poem. [30-40 words]

2. Read the following extracts and answer the questions:

The way a crow  
Shook down on me  
The dust of snow  
From a hemlock tree  
Has given my heart  
A change of mood

(i) Fill the blank to complete the sentence.

Shaking down of dust of snow gave the speaker a change of heart by \_\_\_\_.

(ii) How does the interaction between the natural elements (crow, snow, hemlock tree) contribute to the speaker's emotional transformation in the poem? Answer in about 40 words.

(iii) 'Dust of Snow' is referred to as:

- (A) mist
- (B) dust of branches
- (C) snow residue
- (D) snowflakes

(iv) The crow and the hemlock tree represent \_\_\_\_\_.

1. sorrow
2. elation
3. hope
4. anxiety
5. enthusiasm

- (A) 1 only  
(B) 2, 3 and 5  
(C) 4 only  
(D) 1, 4 and 5

v. How is alliteration used in the above extract?

### **Fire and Ice**

1. Fire and Ice project a pessimistic outlook. Comment. (30-40 words)

2. Read the extract given below and answer the questions that follow:

But if it had to perish twice,  
I think I know enough of hate  
To say that for destruction ice  
Is also great  
And would suffice.

i. Fill in the blank with one word.

When the speaker says that ice could also bring about the end of the world, he refers to \_\_\_\_\_, as the means for destruction.

ii. What does the speaker's alignment with those who favor ice, suggest?

iii. Which of the following best describes the speaker's attitude towards destruction caused by ice?

- a. Indifferent
- b. Fearful
- c. Dismissive
- d. Respectful

iv. Comment on the poet's use of language in these lines.

v. Choose the CORRECT statement about the given poem.

- a. Fire and ice are images—they help the readers visualize the power of nature over man.
- b. Fire and ice are symbols—not of natural disasters, but of humanity's ability to create disasters of its own.
- c. Fire and ice are elements—not of Nature but man-made and possess the ability to create havoc for mankind.
- d. Fire and ice are agents—they change the thinking of mankind from negative to positive and bring harmony.

vi. According to the poem 'Fire and Ice', some people say that the world will end in ice because humans are \_\_\_\_\_.

- a. greedy for wealth and power
- b. becoming spiteful towards each other
- c. passive towards the problem of climate change
- d. becoming increasingly unconcerned about security

vii. Which option correctly replaces the underlined phrase in the given line from Fire and Ice?

I hold with those who favour fire.

- a. am as experienced as
- b. strongly disagrees with
- c. have the same opinion as
- d. habitually avoid

## हिंदी ग्रीष्मकालीन अवकाश गृहकार्य

## कक्षा: दसवीं

1. कबीर की साखियाँ आदर्श जीवन जीने के लिए कैसे सहायक है? उदाहरण सहित बताइए।
2. विद्यार्थी जीवन में भ्रमण का क्या महत्त्व है?
3. 'बड़े भाई साहब' कहानी का कौन-सा पात्र आपको प्रभावित करता है और क्यों? विस्तारपूर्वक बताइए।
4. कबीर, मीरा और मैथिलीशरण गुप्त की रचनागत और विषयगत विशेषताएँ लिखें।
5. पहली तीन कविताओं के पाठ प्रवेश से कविताओं का सार-लेखन लिखिए।
6. पहली तीन कविताओं को लिखें और याद करें।
7. संज्ञा, सर्वनाम, विशेषण, क्रिया और क्रिया विशेषण पदों की परिभाषा, भेद और उदाहरण लिखें।
8. विविध विषय पर तीन अनौपचारिक पत्र लिखिए।

## MATHEMATICS – X

Collect and Solve questions from Chapters Real Numbers, Polynomials, Linear Equation in two variables and Quadratic Equation that have appeared in the last Ten years of Board Examinations.

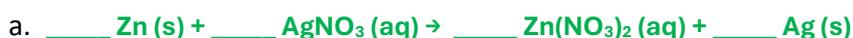
## SCIENCE – X

## CHEMICAL REACTIONS AND EQUATIONS

Q1 Define:

- **Reactants**
- **Products**
- **Balanced chemical equation**

Q2 Balance the following chemical equation and identify the reactants and products.



- d.  $\text{HNO}_3(\text{aq}) + \text{Ni}(\text{s}) \rightarrow \text{Ni}(\text{NO}_3)_2(\text{aq}) + \text{H}_2(\text{g})$
- e.  $\text{Ba}(\text{HCO}_3)_2(\text{s}) \rightarrow \text{BaCO}_3(\text{s}) + \text{H}_2\text{O}(\text{g}) + \text{CO}_2(\text{g})$
- f.  $\text{BaCl}_2(\text{aq}) + \text{Na}_2\text{SO}_4(\text{aq}) \rightarrow \text{NaCl}(\text{aq}) + \text{BaSO}_4(\text{s})$
- g.  $\text{Al}_2(\text{CO}_3)_3(\text{s}) \rightarrow \text{Al}_2\text{O}_3(\text{s}) + \text{CO}_2(\text{g})$
- h.  $\text{Ca}(\text{s}) + \text{H}_2\text{O}(\text{l}) \rightarrow \text{Ca}(\text{OH})_2(\text{aq}) + \text{H}_2(\text{g})$
- i.  $\text{LiHCO}_3(\text{s}) \rightarrow \text{Li}_2\text{CO}_3(\text{s}) + \text{H}_2\text{O}(\text{g}) + \text{CO}_2(\text{g})$
- j.  $\text{N}_2(\text{g}) + \text{O}_2(\text{g}) \rightarrow \text{N}_2\text{O}_5(\text{g})$
- k.  $\text{MgBr}_2(\text{aq}) + \text{KOH}(\text{aq}) \rightarrow \text{KBr}(\text{aq}) + \text{Mg}(\text{OH})_2(\text{s})$
- l.  $\text{Mn}(\text{s}) + \text{CuCl}(\text{aq}) \rightarrow \text{Cu}(\text{s}) + \text{MnCl}_2(\text{s})$
- m.  $\text{Zn}(\text{s}) + \text{S}_8(\text{s}) \rightarrow \text{ZnS}(\text{s})$
- n.  $\text{NaOH}(\text{aq}) + \text{H}_2\text{SO}_4(\text{aq}) \rightarrow \text{H}_2\text{O}(\text{l}) + \text{Na}_2\text{SO}_4(\text{aq})$  o  
 $\text{K}(\text{s}) + \text{H}_2\text{O}(\text{l}) \rightarrow \text{KOH}(\text{aq}) + \text{H}_2(\text{g})$
- p.  $\text{C}_5\text{H}_{12}(\text{l}) + \text{O}_2(\text{g}) \rightarrow \text{H}_2\text{O}(\text{g}) + \text{CO}_2(\text{g})$
- q.  $\text{KOH}(\text{aq}) + \text{H}_2\text{CO}_3(\text{aq}) \rightarrow \text{H}_2\text{O}(\text{l}) + \text{K}_2\text{CO}_3(\text{aq})$
- r.  $\text{C}_4\text{H}_8\text{O}_2(\text{l}) + \text{O}_2(\text{g}) \rightarrow \text{H}_2\text{O}(\text{g}) + \text{CO}_2(\text{g})$

Q2. Indicate which type of chemical reaction (Combination, decomposition, single displacement, double displacement or combustion) is being represented in the following reactions:

1.  $\text{Na}_3\text{PO}_4 + 3 \text{KOH} \rightarrow 3 \text{NaOH} + \text{K}_3\text{PO}_4$
2.  $\text{MgCl}_2 + \text{Li}_2\text{CO}_3 \rightarrow \text{MgCO}_3 + 2 \text{LiCl}$
3.  $\text{C}_6\text{H}_{12} + 9 \text{O}_2 \rightarrow 6 \text{CO}_2 + 6 \text{H}_2\text{O}$
4.  $2 \text{AgNO}_3 + \text{Cu} \rightarrow \text{Cu}(\text{NO}_3)_2 + 2 \text{Ag}$
5.  $\text{C}_3\text{H}_6\text{O} + 4 \text{O}_2 \rightarrow 3 \text{CO}_2 + 3 \text{H}_2\text{O}$
6.  $2 \text{C}_5\text{H}_5 + \text{Fe} \rightarrow \text{Fe}(\text{C}_5\text{H}_5)_2$
7.  $\text{SeCl}_6 + \text{O}_2 \rightarrow \text{SeO}_2 + 3 \text{Cl}_2$
8.  $2 \text{MgI}_2 + \text{Mn}(\text{SO}_3)_2 \rightarrow 2 \text{MgSO}_3 + \text{MnI}_4$
9.  $\text{O}_3 \rightarrow \text{O} + \text{O}_2$
10.  $2 \text{NO}_2 \rightarrow 2 \text{O}_2 + \text{N}_2$

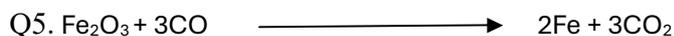
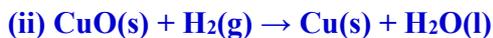
Q3 Differentiate between:

- **Combination and Decomposition reaction**
- **Displacement and Double displacement reaction.**

- **Oxidation and Reduction reaction.**
- **Balanced and unbalanced chemical equation.**

### **Corrosion of iron and Copper**

Q4. Identify the substances that are oxidized and the substances that are reduced in the following reactions.



**Study the above reaction and name the following:**

- **Substance getting reduced**
- **Substance getting oxidized**
- **Oxidizing agent** □ **Reducing agent.**

Q6. Give reasons for the following:

- **Silver Nitrate solution cannot be stored in Copper containers.**
- **Gold and Silver do not corrode in air**
- **Blue colour of copper sulphate solution starts fading when a zinc rod is dipped in it.**
- **Respiration is an endothermic reaction.**
- **Photo chemical decomposition reaction finds application in photography.**

Q7. why does stale food gives a bad smell and bad taste? How can this be prevented?

Q8. Give examples for the following:

- **Precipitation reaction.**
- **Thermal decomposition.**
  - **Natural oxidation.**
- **Exothermic reaction.**

## Biology

### Task-1

*'Respiratory diseases impose an immense worldwide health burden'.*

Find out the **five most common respiratory diseases** which are the causes of severe illness and death worldwide. Paste pictures and fill the necessary information in a table.

Format is given below:

S.No	Respiratory disease (Name)	Scope of the disease	Prevention	Treatment	Control and Elimination
1					
2					
3					
4					
5					

## Physics

### Practice set

1. To construct a ray diagram, we use two rays which are so chosen that it is easy to know their directions after reflection from the mirror. List two such rays and state the path of these rays after reflection in case of concave mirrors. Use these two rays and draw ray diagram to locate the image of an object placed between pole and focus of a concave mirror.
2. concave mirror produces three times magnified image on a screen. If the object is placed 20 cm in front of the mirror, how far is the screen from the object?
3. Why do you prefer a convex as a rear view mirror in vehicles?
4. The image formed by a concave mirror is observed to be virtual, erect and larger than the object. Where should be the position of the object? Draw a ray diagram to support your answer.
5. An object of size 7 cm is placed at 27 cm in front of a concave mirror of focal length 18 cm. At what distance from the mirror, should a screen be placed, so that a sharp focussed image can be obtained? Find the size and nature of the image?
6. Rays from Sun converge at a point 15 cm in front of a concave mirror. Where should an object be placed so that size of its image is equal to the size of the object?

Case based questions :

7. Refraction of light is the phenomenon of change in the path of light in going from one medium to another. This phenomenon occurs right at the boundary of two media. As different media have different optical densities, therefore speed of light in different media is different.

The absolute refractive index ( $n$ ) of a medium is equal to ratio of speed of light in vacuum  $c$  to the speed of light in the medium ( $v$ ), i.e.,  $n = c/v$

Where,  $C = \text{constant} = 3 \times 10^8 \text{ m/s}$

For glass,  $n = 3/2$  and for water,  $n = 4/3$ .

Based on the text given in the above paragraph, answer the following questions:

- (a) Does refraction of light occur without change in medium ?
- (b) What is the basic cause of refraction?
- (c) What is the basic difference between reflection of light and refraction of light?
- (d) Does light travel faster in glass or in water ?

8. Reflection of light is the phenomenon of change in path of light without any change in medium. This phenomenon is very common in day to day life. When we get up in the morning, almost first thing we do is to look at our face in the mirror. This happens on account of reflection of light from the mirror.

Two laws of reflection are:

- (I) Incident ray, reflected ray and normal to the mirror, all lie in the same plane.
- (II) Angle of incidence and angle of reflection are always equal.

Based on the text given in the above paragraph, answer the following questions:

- (a) Is there any change in medium on the reflection of light?
- (b) What is the angle of incidence when a ray is incident normally on a mirror?
- (c) What are the two fundamental laws of reflection ?
- (d) Give at least four characteristics of images of real objects in a plane mirror.

## PROJECTS

1. Design an experiment (by making a smoke box)

(a) To study the reflection of light ray from a semiconductor laser source by a plane mirror and a concave mirror in a smoke box.

(b) To study the refraction of light ray from a semiconductor laser source by a convex/concave lens in a smoke box.

SOCIAL SCIENCE – X

1. **Every student** has to compulsorily undertake **any one project** on the following topics:

Consumer Awareness  
**OR**  
Social Issues  
**OR**  
Sustainable Development

**General Instructions:**

- i) The project should be hand written.
- ii) It should be well presented and pictorial.
- iii) Cover page, table of contents, acknowledgements, headings and sub-headings are must.
- iv) The project should be done on white A4 size sheets.
- v) The project should be presented in a file.
- vi) Project work must be neat and clean.
- vii) The project should not exceed MORE THAN 20 pages (Including point no. iii and 700 words.)
- viii) Submission date: 07 July, 2025

2. A Summary Report should be prepared highlighting:

- Objectives realized through individual work and group interactions;
- calendar of activities;
- innovative ideas generated in the process ;
- list of questions asked in viva voce.

3. It is to be noted here by all the students that the projects and models prepared should be made from eco-friendly products without incurring too much expenditure.

SANSKRIT – X

कक्षा - दशमी ग्रीष्मकालीन अवकाश गृहकार्यम्

1- षष्ठः पाठः सुभाषितानि पाठ का अन्वय और हिंदी अर्थ लिखिए।

2-चित्र दृष्ट्वा पंच वाक्यानि लिखत।

पर्यावरणस्य, भवति, एतत्, कृते, पुष्पाणि, मेघाः, वहतिः, अस्ति, लाभदायकं, चित्रम्, नदी, स्वच्छ, पर्यावरण, स्वास्थ्य



3-अयादि और यण् संधि के दश - दश उदाहरण लिखिए।

4-अनियर् , तव्यत्, क्त और क्तवत् प्रत्यय के पांच - पांच उदाहरण लिखिए।

5- निम्नलिखित वाक्यों का संस्कृत में अनुवाद करें।

क- महिमा नाच रही है। ख- राधा गाडी से विद्यालय आती है। ग-मोहन का भाई सोहन है। घ- वह जा रही है।

ङ-वे सब खेल रहे हैं। घ- मैं दशमी कक्षा में पढता हूं।

ARTIFICIAL INTELLIGENCE (AI) – X

Topic:

**Generative AI**

The topic must contain the following points:

a) Introduction

b)The uses

c) Advantage and disadvantage

Make your project on A4 sheet paper. Write informations, add pictures to make it attractive or you can also draw pictures. On the first page write topic name , your name, class and section. From second page write information about the topic. Use at least 4 pages to complete the project. Don't write informations on both side of the page.