

Silver Grove School

Holiday homework

Class – X

MATHS

- Q.1 Solve 25 questions on HCF and LCM.
- Q.2 Solve 5 questions on irrationality.
- Q.3 solve 25 questions to find zeroes of polynomial.
- Q.4 solve 10 questions based on forming polynomial.
- Q.5 solve 10 questions on the topic consistency.
- Q.6 solve 25 linear equations by elimination method.
- Q.7 solve 25 linear equations by substitution method.
- Q.8 solve 20 questions of linear equations word problems.

ENGLISH

1- Know about Poet-

Gather information about Nelson Mandela and his work Long walk to Freedom , Two stories about flying, The Diary of Anne Frank's life and summary , Robert Frost.

How to do- Prepare a biographical sketch using name, date of birth, Educational qualifications, family, work, achievements and summary of his work.

(Note- about 150-180 words)

Where to do- Use a well decorated A-4 size sheet.

2-Know the lesson- Gather a short summary of the given lesson - A letter to God ,Nelson Mandela, Dust of snow, Ice and Fire.

How to do - Prepare a file using a decorated sheet and write a summary/central idea accordingly.

3- Revise Tenses and write it with its examples.

(Note- At every page of the file there must be a picture related to writers and their works.)

SCIENCE

- Q.1. What is reflection of light? and write about laws of reflection of light.
- Q.2. What is a refraction of light ?and write about laws of refraction of light.
- Q.3. Why do we prefer a convex mirror as a rear view mirror in vehicles?
- Q.4. Define following -
Radius of curvature, pole , principal axis, focus of concave and convex mirror, focal plane.
- Q.5. Light enters from air to glass having refractive index 1.50. What is the speed of light in the glass? .The speed of light in vacuum is 3×10^8 m/s .

- Q.6. A concave mirror form a real and inverted image of an object at a distance of 50 cm from it. Find the position of image if focal length of mirror is 25 cm and find the magnification of image, and draw ray digram also.
- Q.7. Under what condition in an arrangement of two plane mirrors, incident ray and reflected ray will always be parallel to each other, whatever may be angle of incidence? Show the same with the help of diagram.
- Q.8. If the glass slab is replaced by a hollow slab filled with water, will the net deviation change ?For given angle of incidence will the deviation of the ray in first refraction increase or decrease compared to the one in glass slab?
- Q.9. Calculate the distance at which an object should be placed in front of a concave mirror of focal length 10 cm to obtain an image of double its size .
- Q.10. Make a project on chart paper, about image formation of object at different position from convex lens.

Q.11. Write exercise and examplor questions on h.w copy of chapter one chemical reaction and equation.

Q.12. Learn s,p,d,f block elements with symbol and atomic number.

Q.13. Make a periodic table on thermacol.

- Q14. Why do herbivores have longer, small intestine than carnivores?
- Q15. Write the balanced chemical equation for the process of photosynthesis.
- Q16. In single celled organisms diffusion is sufficient to meet all their requirements of food, exchange of gases or removal of wastes but it is not in case of multicellular organisms. Explain the reason for this difference.
- Q17. Draw a neat labelled diagram of human alimentary canal.
- Q18. Explain the process of nutrition in Amoeba.
- Q19. How do guard cells regulate the opening and closing of the stomata?
- Q20. State the role of the following in human digestive system:
 - (a) Digestive enzymes
 - (b) Hydrochloric acid (Hcl)
 - (c) Villi
- Q21.. Draw a neat labeled diagram of opened and closed stomata.

SOCIAL SCIENCE

Short question-

Chapter 1: Nationalism in Europe

- 1. Who hosted the Congress of Vienna in 1815?
- 2. What was "Young Italy"?
- 3. Who was called the "Iron Chancellor"?
- 4. Which battle led to the unification of Germany?
- 5. What is "Zollverein"?

6. Who led the “Red Shirts” in Italy’s unification?
7. What does “Romanticism” mean in culture?
8. Which country was divided into many states before 1848?
9. What is the symbol of France called?
10. In which year did Italy fully unify?

Chapter 2: Resources and Development

1. What is a resource?
2. Who gave the term “Sustainable Development”?
3. Which is the most fertile soil in India?
4. Black soil is also called?
5. Which soil is best for cotton?
6. What causes soil erosion?
7. Which movement was started to save forests?
8. Laterite soil is found in which climate?
9. What is terrace farming?
10. Which resource is exhaustible?

Chapter 3: Power Sharing

1. What is power sharing?
2. Which country faced a language problem between Dutch and French?
3. Which country had a civil war due to power issues?
4. How many levels of government are there in India?
5. What is called “horizontal power sharing”?
6. What is “community government” in Belgium?
7. What percentage of seats are reserved for women in Panchayats?
8. Which system is called “vertical power sharing”?
9. What type of government does India have?
10. Which act gave legal status to Panchayati Raj?

2. Learning & Revision Work

- Revise all completed chapters thoroughly.
- Complete all pending Classwork and Homework in your CW and HW notebooks.
- Learn the key terms, dates, and maps for quick recall after vacations.

3. Map Work – Types of Soil in India

To be done on the Political Map of India

Soil Type *Main States / Regions*

Alluvial Soil Punjab, Haryana, Uttar Pradesh, Bihar, West Bengal, Assam

Black Soil Maharashtra, Madhya Pradesh, Gujarat, Karnataka, Andhra Pradesh

Red Soil Tamil Nadu, Karnataka, Andhra Pradesh, Odisha, Jharkhand

Laterite Soil Kerala, Karnataka, Tamil Nadu, Odisha, Assam, Meghalaya

Mountain Soil Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Sikkim, Arunachal Pradesh

Desert Soil Rajasthan, Gujarat

हिन्दी

1. क्षितिज भाग-

(i) नेताजी का चश्मा

> पाठ का सारांश लिखिए (60–80 शब्दों में)

> नेताजी के व्यक्तित्व की एक विशेषता लिखिए।

(ii) बालगोबिन भगत-

> उनके जीवन की एक प्रमुख सीख को 5-6 पंक्तियों में लिखिए।

(iii) सूरदास के पद

> किसी एक पद का सरल अर्थ लिखिए।

> दो अलंकार पहचान कर उनके नाम लिखिए।

(iv) राम-लक्ष्मण-परशुराम संवाद

> संवाद का एक रोचक अंश (4 पंक्तियाँ) संवाद शैली में लिखें।

2. कृतिका -

(माता का आँचल)

> माँ के चरित्र की एक विशेषता 10 (वाक्यों में)

> इस कहानी से आपने क्या सीखा? (10 वाक्य)

3. व्याकरण -

> 3 अलंकार – नाम और उदाहरण सहित-

> 3 वाक्य – लिखें और उनका वाक्य भेद बताएँ।

> 1 वाक्य – उसका पद परिचय करें।

4. लेखन कार्य (कोई एक करें)

(क) पत्र लेखन-

अपने मित्र को अपने गाँव की यात्रा का वर्णन करते हुए पत्र या

(ख) अनुच्छेद लेखन-

“ग्रीष्म ऋतु” पर 80 शब्दों में अनुच्छेद

5. प्रोजेक्ट कार्य (केवल 1 चुनें)

विकल्प 1 (कला + साहित्य)

“बालगोबिन भगत” पर एक चित्रात्मक पोस्टर बनाएँ, जिसमें उनके जीवन के 2-3 मुख्य बिंदु चित्रों और शब्दों के माध्यम से दर्शाए जाएँ।

विकल्प 2 (साहित्यकार आधारित)

तुलसीदास या सूरदास पर एक A4 शीट में सुंदर जीवन परिचय और प्रमुख रचनाएँ लिखकर सजाएँ।

Computer

Q1. What is communication? Explain the different methods of communication with examples.

Q2. Write any five barriers of effective communication. Write also its overcome.

Q3. Explain the importance of verbal and non-verbal communication in daily life.

Q4. What are styles? Write its types also.

Q5. Write on the short note:

1. Template

2. Toc (table of contents)

Q6. Write difference between

1. Crop and resize

2. Alignment and Arrangement