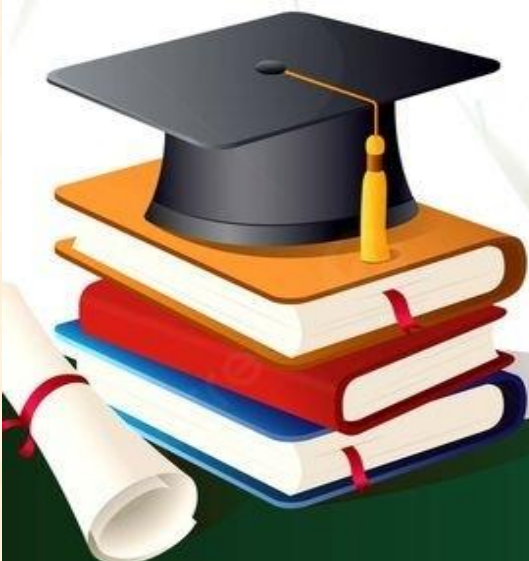


Summer Vacation Homework Class – 10



English

Answer the following Questions – (100-120 word)

Q1. The postmaster was a representative of God. Evaluate this statement in the context of your understanding of 'A Letter to God'.

Q2. After having read the lesson on the oppression that communities faced in South Africa, you were deeply hurt, you could also relate to the struggles and hardships of millions of Indians who fought against the oppressive British Rule. (Nelson Mandela)

Write a Diary Entry expressing your feelings about oppression faced by people in their homelan

Q3. The young Seagull's parents wanted him to fly like his brothers and sister. How could the young Seagull's newly flying siblings have motivated him? Write a brief conversation among them.

Q4. Mrs. Pumphrey and Dr. Herriot have been invited to speak at a community pet adoption drive. There were some differences in Mrs. Pumphrey and Dr. Herriot's notions of responsibility and experience of keeping a pet.

As a reporter for the local pet magazine. Write an article recording and comparing their perspectives.

Q.5. Extract based Questions –

I think he knew I made a little money this way but he did not seem to mind. Anil mad money by fits and starts. He would borrow one week, lend the next. He kept worrying about his next cheque, but as soon as I arrived he would go out and celebrate. It seems he wrote for magazines – a queer way to make a living.

(I) Anil made money by fits and starts means that he

- (a) demand it fit to start investing money.
- (b) started earning money in the recent past.
- © received money intermittently.
- (d) put his money to use frequently.

(II) the information in the extract suggest that Anil could be a

- (a) salaried professional.
- (b) freelancer
- © business man
- (d) Volunteer

(III) If borrow; lend then pick the odd pair from the options below

- (a) give : take

(b) lose : find

(c) Hop : Skip

(d) buy : sell

(IV) The reference to making a little money 'this way' refers to a way viewed by most people as

(a) Sensible

(b) Inappropriate

(c) Charitable

(d) Aggressive

Q.6. Complete the story in 100-120 words:

It was raining heavily, the street lights had gone off and I was returning from market. Suddenly.....

Hindi

प्रश्न 1: निम्न लिखित प्रश्नों के उत्तर लिखिए:

1. सीमा पर तैनात फौजी ही देश प्रेम का परिचय नहीं देता जबकि हम सभी किसी न किसी रूप में अपने नेक कार्यों से देश प्रेम को प्रकट करते हैं। स्पष्ट कीजिए।
2. बालगोबिन भगत शीर्षक पाठ में किन-किन सामाजिक रूढ़ियों पर प्रहार किया है? स्पष्ट कीजिए।
3. क्या आपकी दृष्टि में बालगोबिन भगत का अपनी पतोहू से किया गया व्यवहार उचित था? क्यों?
4. माता का अंचल पाठ में भोलानाथ का अपने माता-पिता से बहुत लगाव है। बचपन में हर बच्चा अपने माता-पिता से लगाव रखता है किंतु वृद्ध हो जाने पर इनमें से कुछ उन्हें साथ न रखकर वृद्धाश्रम में पहुंचा देते हैं। ऐसे लोगों को आप किन शब्दों में समझाएंगे? विचार करके लिखिए।
5. निर्देशानुसार परिवर्तन कीजिए:
 - बालक रोते-रोते चुप हो गया। (संयुक्त वाक्य)
 - अच्छे छात्र गुरु की आज्ञा मानते हैं। (मिश्र वाक्य)
 - मैंने एक आदमी देखा जो बहुत बीमार था। (सरल वाक्य)
 - निर्दयी मनुष्य राक्षस के समान है। (मिश्र वाक्य)

Mathematics

1. Solve the following pair of linear equations algebraically

$$101x + 102y = 304$$

$$102x + 101y = 305$$

2. In a pair of two supplementary angles. The greater angle exceeds the smaller by 50° . Express the given situation as a system of linear equations in two variables and obtain the measure of each
3. Prove that $\sqrt{5}$ is an irrational number.
4. Find the zeroes of the quadratic polynomial $r(x) = 4x^2 + 3x - 1$. Hence, verify the relation between its zeroes and coefficients.
5. Find the smallest value of p for which the quadratic equation $x^2 - 2(p+1)x + p^2 = 0$ has real roots
6. A two digit number is seven times the sum of its digits and two more than five times the product of its digits. Find the number.

Science

(Physics)

Que 1 → Record at least 10 occasions when you observe reflection or refraction of light.

Que 2 → Observe twinkling of stars. Try to find out the related phenomenon.

Que 3 → A girl was playing with a thin beam of light from a laser torch by directing it from different directions on a convex lens held vertically. She was surprised to see that in a particular direction, the beam of light continues to move along the same direction, after passing through the lens. State the reason for her observation. Draw a ray diagram to support your answer.

Que 4 → A glass slab made of a material of refractive index n_1 is kept in a medium of refractive index n_2 .

A light ray is incident on glass slab. Draw the path of the rays of light emerging from glass slab, if –

- (i) $n_1 > n_2$
- (ii) $n_1 = n_2$
- (iii) $n_1 < n_2$

(Chemistry)

Question. 1. Write the balanced chemical equation. Why should we do a reaction balance?

Question. 2. Write the types of chemical reaction with examples.

Question 3. Explain the following reactions with examples

(a) Exothermic reaction

(b) Endothermic reaction

Question 4. Explain the term Rancidity and corrosion with examples and write its prevention.

(Biology)

Q1) Stomata remain closed in desert plants during daytime'. How do they do photosynthesis?

Q2) (a) In the process of respiration, state the function of alveoli.

(b) Rate of breathing in aquatic organisms is much faster than that in terrestrial organisms. Give reasons.

Q3) Draw the flow chart of human nervous system.

Q4) Write down all the enzymes and their functions of human digestive system.

Social Science

1. Create a timeline of the events from History Chapter 1 and 2. (Use A4 size pages or Chart Paper for each Chapter)

2. Complete all the notebooks (History, Geography, Political Science, Economics)

Ensure all classwork and notes are neatly completed for all chapters covered so far.

3. Revise all the Chapters and create 20 MCQs

Questions from each chapter studied till date.

4. Map Work: On a political map of India, locate and label:

History (Nationalism in India):

Important centers of Indian National Congress Sessions (Calcutta 1920, Nagpur 1920, Madras 1927, Lahore 1929)

Important places of Non-Cooperation and Civil Disobedience Movements (Champaran, Kheda, Ahmedabad, Amritsar, Chauri Chaura, Dandi)

Geography: Water Resources, Mineral and Power Resources, Manufacturing Industries):

Major Multi-Purpose River Valley Projects (Salal, Bhakra Nangal, Tehri, Rana Pratap Sagar, Sardar Sarovar, Hirakud, Nagarjuna Sagar, Tungabhadra)

(Use Separate map for each task)

5. Activity to enhance creative skills-

(Use Chart or A4 size Papers)

"Farm to Fork" Journey Project:

Task: Students choose one agricultural product common in India (e.g., rice, wheat, cotton, coffee, tea, sugarcane). They then research and illustrate its complete journey from the farm (showing different stages of cultivation, inputs, labor) to its final consumption point (e.g., a dish on a plate, a piece of clothing).

Output: A detailed flowchart, a series of annotated diagrams, a short documentary script with visuals

Computer Application

Instructions:

- 1) This holiday homework is designed to reinforce your understanding of the concepts covered in Computer Applications and encourage practical application.**
- 2) All assignments should be completed neatly in your Computer Applications notebook or on separate sheets as specified.**
- 3) Be creative and original in your approach.**
- 4) Submission date: [03/07/2025]**

HTML & CSS Concept Questions (10 Marks):

- 1) Answer the following questions in your notebook:
- 2) Differentiate between the `` and `` tags, and the `<i>` and `` tags, explaining their semantic differences.
- 3) Explain the purpose of the alt attribute in the `` tag.
- 4) Write the HTML code to create a hyperlink that opens <https://www.google.com> in a new browser tab.
- 5) Describe the difference between an ordered list and an unordered list in HTML, and provide an example of when you would use each.
- 6) Explain the purpose of the rowspan and colspan attributes in HTML tables with suitable examples.
- 7) How can you embed an audio file named “song.mp3” and a video file named “movie.mp4” into an HTML page? Provide the HTML code.
- 8) What is CSS? Briefly explain the three ways to apply CSS to an HTML document.
- 9) Write the CSS code to set the background color of a webpage to light blue and the text color of all paragraphs to dark green.
- 10) List any four attributes of the `<body>` tag.
- 11) Explain the concept of “target” attribute in anchor tag with an example.