

# GURU GOBIND SINGH PUBLIC SCHOOL

## SECTOR: 5/B,B.S.City

SESSION: 2019 – 20

CLASS: 10

SUBJECT: ENGLISH

- I. Write 10 words every day from newspaper and write two synonyms and antonyms of each word. Also learn it.
- II. Make a chart on A4 size paper of eight most used figures of speech. Write examples from your text.
- III. You are Raghu / Rajni of Nasik. As a teacher in charge of an excursion club that your school is sending on an educational tour to AJANTA and ELLORA caves during the Christmas vacation. Write a letter of enquiry to HAPPY TOURS AND TRAVELLERS, NASIK seeking information regarding transport, accommodation, etc.
- IV. Write a brief biography of NELSON MANDELA (Paste a photo of NELSON MANDELA).
- V. Have you ever been in great difficulty and felt that only a miracle could help you? How has your problem solved? Write a paragraph in about 100 words.
- VI. Find at least 10-15 idioms/ phrases from your text and write their meaning .use the same in your sentences.
- VII. Transform the following sentences:
  - ✚ He has missed the train.( change into passive)
  - ✚ I said to him," where are you going?" (change into indirect sentences)
  - ✚ He never comes on time. (change into affirmative sentence)
  - ✚ She goes to temple everyday.(change into interrogative sentence)
  - ✚ What a beautiful sight is this! (change into statement)

**Note: The Holiday HW should be done in a thin copy.**

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**कक्षा दसवीं**

**विषय: हिन्दी**

१. भक्ति कालीन कवि सूरदास ,तुलसीदास एवं मीराबाई के चित्र चिपकाकर संक्षिप्त जीवन परिचय दें।
२. नेताजी सुभाष चंद्र बोस के राजनीतिक जीवन का परिचय संक्षेप में दें।
३. पटाखों से होने वाले प्रदूषण के प्रति ध्यान आकृष्ट करते हुए दैनिक समाचार पत्र के संपादक को पत्र लिखें।
४. रेखा अंकित पदों के परिचय दें--  
'मैं जिस समाज की कल्पना करता हूँ उसमें गृहस्थ, सन्यासी, उत्तम कोटि का मनुष्य है क्योंकि उसमें संघर्ष की वृत्ति नहीं होती लोभ और स्वार्थ भी नहीं होता।'
५. आपके शहर में विश्व पुस्तक मेला का आयोजन किया जा रहा है इसके लिए 20 से 25 शब्दों में एक सुंदर विज्ञापन तैयार करें।

**नोट:** १. क्रम संख्या 1 से 4:00 तक के कार्य व्याकरण की कॉपी में करें एवं क्रम संख्या 5 को फाइल में करें।

२. गृह कार्य दिनांक 12/6/2019 तक जमा करना अनिवार्य है।

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कक्षा :- दशमी

विषय : संस्कृतम्

1. अपठितं अनुच्छेदं पठित्वा प्रश्नान् उत्तरत (कमपि द्वयम्)
2. पत्र लेखनम् – मंजूषायाः सहायतया पत्रे रिक्तस्थानानि पूरयत– (कमपि द्वयम्)
3. 'चित्रवर्णनम्' – मंजूषायाः सहायतया संस्कृते पंचवाक्येषु चित्रवर्णनम् कुरुत। (कमपि द्वयम्)
4. अधोलिखित वाक्यानां संस्कृते अनुवादं कुरुत–
  - i) मैं भारत वर्ष में रहता हूँ।
  - ii) भारत की राजधानी दिल्ली है।
  - iii) यहाँ की प्रमुख और पवित्र नदी गंगा है।
  - iv) हमलोग प्रतिदिन विद्यालय जाते हैं।
  - v) हमारे विद्यालय में एक विशाल पुस्तकालय है।
5. "स्वच्छ पर्यावरणम्" इति विषये परियोजना कार्य चार्टपेपर सहायतया लिखत।

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**CLASS : X****SUBJECT: MATHS**

- The ratio of the incomes of two persons is 9:7 and the ratio of their expenditures is 4:3. If each of them saves Rs.200 per month, find their monthly incomes.
- Solve the following system of equations by the method of cross-multiplication.  
 $X + 2y + 1 = 0$   
 $2x - 3y = 12$
- A bag contains 150 coins of 50-paise and 25-paise denominations. The total worth of these coins is Rs.55. Find the number of each type.
- A two digit number is 4 times the sum of its digits. If 8 is added to the number, the digits are reversed. Find the number.
- 2 men and 7 boys can do a piece of work in 4 days. The same work is done in 3 days by 4 men and 4 boys. How long respectively would it take one man one boy to do it?
- Find the zeros of the following quadratic polynomials and verify the relationship between the zeros and the coefficients.  
 (i)  $2x^2+x-1$       (ii)  $y^2-16$       (iii)  $3x^2+11x-4$       (iv)  $4x^2-x-3$   
 (v)  $x^2-4x+4$       (vi)  $5x^2-24x-5$
- On dividing the polynomial  $-x^2+3x^2-3x+5$  by  $g(x)$ , the quotient and remainder are  $x^2+4x-10$  and 31 respectively. Find  $g(x)$ .
- Find the third zero of  $x^3+2x^2-x-2$ , if two zeros are -1 and 1.
- Solve the following system of equations graphically.  
 (a)  $3x+2y=8$   
 (b)  $2x-3y=1$
- Solve the following system of equations by any method.  
 (a)  $2x-y=11$   
 (b)  $5x+4y=1$
- The sum of the numerator and denominator of a fraction is 4 more than twice the numerator. If the numerator and denominator are increased by 3, they are in the ratio 2:3. Determine the fraction.

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**Class: X****Science Assignment 2019-20****Physics**

- Draw all the ray diagrams of image formation by concave mirror at different position in a chart paper.
- The real image of an object is three times larger formed by spherical mirror. If the Focal length mirror is 30cm, then where should a screen be placed to get a sharp image?
- What do you mean by  $m=-1$ ?
- Why convex mirror is used as a driver rear view mirror?

**Chemistry**

- Why should a magnesium ribbon be cleaned before burning in air?
- When you mix the solution of lead (II) nitrate and potassium iodide  
 (a) What is the colour of the precipitate formed? Name the compound precipitated.  
 (b) Write the balanced chemical equation for the above.  
 (c) Is this a double displacement reaction? Justify.
- A magnesium ribbon burns with a dazzling flame in air (oxygen) and changes into a white substance, magnesium oxide. Is magnesium be oxidized or reduced in this reaction? Justify.
- Give an example of a double displacement reaction other than the one between barium chloride and sodium sulphate solution.
- Identify the substance oxidized and the substance reduced in the following reactions:-  
 (a)  $MnO_2 + 4HCl \longrightarrow MnCl_2 + Cl_2 + 2H_2O$   
 (b)  $PbS(s) + 4H_2O_2(aq) \longrightarrow PbSO_4(s) + 4H_2O(l)$
- What is a balanced chemical equation? Why should chemical equations be balanced?
- What do you mean by exothermic and endothermic reaction? Give example in each case.
- In the refining of silver, the recovery of silver from silver nitrate solution involved displacement by copper metal. Write down the reaction involved.
- A shiny brown coloured element 'X' on heating in air becomes black in colour. Name the element 'X' and the black coloured compound formed.
- Explain the following terms with proper example from your everyday life :-  
 (a) Rancidity      (b) Corrosion

Note---Work should be done in thin separate copy

## Biology

15. What do you mean by peristaltic movement?
16. Explain the ways in which glucose is broken down in absence of oxygen.
17. Write a note on mechanism of photosynthesis.
18. How is the small intestine designed to absorb digested food?
19. Draw a well levelled diagram of human alimentary canal.
20. What is holozoic nutrition? What steps does it involve? Explain them.
21. Write an activity to show that CO<sub>2</sub> is necessary for photosynthesis
22. **Differentiate between :-**
  - i) saprophytic nutrition and parasitic nutrition
  - ii) pepsin and trypsin
23. "Bile does not contain any enzyme but it is essential for digestion ." Justify it.
24. List the steps of preparation of temporary mount of a leaf peel to observe stomata. Name the two liquids used in this experiment and write their uses.

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### STD.:10

### Social Science

- 1) Complete table 1.1 – developmental goals of different categories of persons.
- 2) Table 1.4- comparative data on Haryana, Kerala and Bihar.
  - a) Why is IMR low in Kerala?
- 3) Table 1.6 – data regarding India and its neighbors.

### HISTORY

- 4) Figure 1 – paste the picture and describe the idea of the painter.
- 5) Briefly describe unification of Germany and Italy.
- 6) Write meanings of the symbols given in box 3.
- 7) Figure 19:- Germania guarding the Rhine.
- 8) Learn and write new words of chapter 1 given in textbook.

### CIVICS

- 9) Collect pictures and information regarding current election of Jharkhand.
- 10) Compare two stories of Belgium and Sri Lanka.

### GEOGRAPHY

1. Explain the methods of traditional rain water harvesting techniques in India.
2. Collect information on how industries use our water resources.
3. Narrate how a particular dam in a flood prone area has recently failed to prevent a flood. Find out why it has happened. Could this be avoided. How?
4. Write notes on Asiatic Cheetah, Himalayan Yew, Project Tiger, Joint Forest Management, Chipko movement.
5. On an outline political map of India mark and label the major rivers and dams.
6. Collect information on the Wildlife Sanctuaries and National Parks of India and cite their locations on the map of India.

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### CLASS- X

### SUBJECT- MARKETING AND SALESMANSHIP

1. Define marketing mix.
2. What are the different factors that affect the choice of channel of distribution?
3. Differentiate between marketing and selling.
4. Differentiate between personal selling and sales promotion.
5. Explain channels of distribution.
6. What are the different factors that affect the pricing decisions of any firm?
7. Explain labeling. What are its advantages to a firm?
8. What are the different levels of distribution?
9. Give the differences between advertising and personal selling.
10. What are the different benefits derived by consuming a product?

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(A) **Change the following sentences into active/passive sentences as required:**

- i. The professor teaches the students.
- ii. The car was repaired by Sonu.
- iii. Recently the work has been done by John.
- iv. Right now, she is writing the letter.
- v. Many tourists have visited this place .
- vi. The painter finished his work only yesterday.
- vii. He had to revise the report.
- viii. Change makes progress possible.
- ix. The party workers do not like the new policies.
- x. The teacher will give you the instructions.

(B) **Read aloud the following phrases on “Describing Nainital”. Combine the phrases so as form a paragraph that describes nainital.**

For example: Example: Nainital is a beautiful hill-station in Uttarakhand.

1. nainital is a beautiful hill-station...
2. it is surrounded by...
3. ....in Uttarakhand.
4. ....above sea-level.
5. ....high mountain peaks
6. nainital is a very.....
7. ....especially during winter.....
8. ....popular tourist spot,
9. ....when the snow falls.
10. it attracts a lot of tourists in.....
11. ....during the British Raj.
12. the temperature varies between.....
13. ....which were established.....
14. 15°C and -3 °C at that time.
15. ....and is situated at an altitude of 1, 938 meters.
16. Apart from its beautiful scenery.....
17. ....its many schools,
18. nainital is also known for.....

(C) **Read the sentences on “Smita’s Birthday” given below.**

1. It was Smita’s birthday \_\_\_\_\_.
2. We arranged a surprise birthday \_\_\_\_\_.
3. All her friends \_\_\_\_\_.
4. \_\_\_\_\_ as it is her favourite.
5. Everyone arrived \_\_\_\_\_.
- 6 \_\_\_\_\_ at 12 p.m.
7. We screamed “ \_\_\_\_\_”!
8. then, she blew the candles and \_\_\_\_\_.
9. Asha and Sumeet \_\_\_\_\_.
- 10 \_\_\_\_\_ sang a song and entertained everyone.
11. We played Antakshari \_\_\_\_\_.

(D) Write any motivational story in 200 words.

(E) **Think about what you would like to promise to yourself and frame some sentences using the words for those situations like :**

honest , cleanliness , lie , organized ,punctual ,play ,study , work hard .

(F) **Write a paragraph with the keywords like :**

Amazing ,busy, Congested, Dull , Lazily , Rashly , Weirdly ,Zealously .

(G) **Write a short paragraph on past experience of your life .**

**NOTE : HOLIDAY ASSIGNMENT TO BE SUBMITTED IN STICK FILE.**