



# INDIAN SCHOOL

( RUN BY GYAN ASHA EDUCATIONAL SOCIETY )

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## Diwali Vacation Homework

Class - XI

ENGLISH

### Section - A (Grammar)

1. Asaf Khan who (1) \_\_\_\_\_ the expedition against the city, (2) \_\_\_\_\_ that the little country which (3) \_\_\_\_\_ by a woman would (4) \_\_\_\_\_ very easily without (5) \_\_\_\_\_ even a blow. It was to his surprise when he (6) \_\_\_\_\_ that the city (7) \_\_\_\_\_ to offer a strong resistance. He (8) \_\_\_\_\_ with him only a small force to fight the battle.

Options:

had led / led / was leading / has led

expected / has been expecting / had expected / was expected

rule / was ruled / is ruled / was ruling

was taken / be taken / will be taken / is taking

striking/ is striking / has been striking / has struck

found / had found / finds / will find

was preparing / is preparing / was prepared / is prepared

had brought / brought / has brought / had been brought

### Section - B (Writing)

1. Prepare a poster on behalf of the police advising people to protect themselves against burglars and robbers.
2. Prepare a poster to be put in the school entrance lobby announcing the Annual Athletic Meet of your school.
3. You are Vikram/Sonia, an Hon's graduate in history with specialization in Medieval India. You are well acquainted with places of historical interest in Delhi, Agra and Jaipur. You are looking for

the job of tourist guide. Write an advertisement in about 50 words for the situations wanted column of a local newspaper. Your contact no. 999751234.

4. As Mukul / Mahima of Alps Public School, write a speech to be delivered in school assembly highlighting the importance of cleanliness suggesting that the state of cleanliness reflects the character of its citizens. (150-200 words)

### Section - C (Literature)

Answer the following questions.

1. Everybody including the sparrows mourned the grandmother's death. Elaborate.
2. The sea 'appears to have changed less' in comparison to the three girls who enjoyed the sea holiday. Comment.
3. The children braved the situation more maturely than their years. Discuss. (We are Not Afraid to Die)
4. Nature echoed the unnatural happenings with King Tut's body. Comment.
5. How does the laburnum tree appear in September? Does the arrival of the goldfinch bring about a change in it?
6. Give examples to show why cousin Mourad was considered one of the craziest members of the narrator's family?
7. Of all the things I had to forget, that would be the easiest". What does the speaker mean by 'that'? What is its significance in the story? (Address)

### PHYSICS

1. List all the formulas of chapter 4 ( take help from page 84 of book)
2. Solve questions from 4.1 to 4.32 in subject notebook.

### CHEMISTRY

Practical record on the followings:

1. Chemical Equilibrium - Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing/decreasing the concentration of either of the ions.
2. Preparation of standard solution of Oxalic acid.
3. Determination of strength of a given solution of Sodium hydroxide by titrating it against standard solution of Oxalic acid.
4. Preparation of standard solution of Sodium carbonate.
5. Determination of one anion and one cation in a given salt  
Cation:  
Pb<sup>2+</sup>, Cu<sup>2+</sup>, As<sup>3+</sup>, Al<sup>3+</sup>, Fe<sup>3+</sup>, Mn<sup>2+</sup>, Zn<sup>2+</sup>, Mg<sup>2+</sup>, NH<sub>4</sub><sup>+</sup>
6. Anions:  
(CO<sub>3</sub>)<sup>2-</sup>, S<sup>2-</sup>

(SO3)2-  
(NO2)-  
(SO4)2-

## BIOLOGY

Practical record on the followings:

1. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of particular geographical location) including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams), type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).
2. Preparation and study of T.S. of dicot and monocot roots and stems (primary).
3. Osmosis by potato osmometer.
4. Study of distribution of stomata on the upper and lower surfaces of leaves.

## PHYSICAL EDUCATION

1. What is the need of sports competition in school? Discuss in detail.
2. Suggest one activity which helps to develop interest in Physical Education.
3. What is the role of school in encouraging participation of CWSN in PE?

## COMPUTER SCIENCE

1. Construct a python program to get a number from the user and check whether it is positive, negative or zero integer.
2. Construct a program in python to get a number and check whether it is prime or not.
3. Construct a program to get the basic salary of an employee and calculate his da, hra, pf and gross salary on the basis of given formulae.  
Da=30% of basic  
Hra=25% of basic  
Pf=12.5% of basic  
Gross salary=basic +da+hra-pf
4. Construct a program to get the yearly sale of an employee and calculate his commission and salary.
5. Construct a program to get an year from the user and check whether the given year is a leap year or not.
  - The year which is divisible 4 is may be a leap year, if it is not a century.
  - The year which is a century must be divisible by 400.