



## DELHI PUBLIC SCHOOL PARADIP REFINERY

### SUMMER HOLIDAY ASSIGNMENTS 2018-19

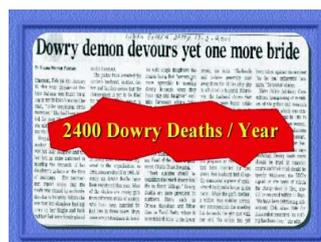
#### CLASS – IX

#### ENGLISH

1. Imagine you have been selected as a member of Team India (Cricket team) and as a result are on the top of the world. Write a diary page about it in 100-120 words, giving vent to your feelings and in relation to the motherland.
2. In recent times, there is perceived an increasing generation gap between parents and children. Write an article in about 100-120 words. You may take help from the clues: (disparity in views, lifestyle, values-leading to generation gap – youth, late night parties and philosophy of career life – old age – traditional values of respecting elders being eroded.)
3. Develop a story in about 150-200 words using the following hints. Also give a suitable title.  
Hints: R.P. Mann – a major in the army-war-hit by bullets-hospital-right leg amputated- no family support-did not lose courage-artificial limbs-struggled-succeeded.
4. Levels of education and literacy are growing but all of us seem to be becoming more inhuman, unkind and inconsiderate. Look at the visual showing our attitude towards poor and helpless creatures. Write an article on "Cruelty To Animals" with a view to sensitising people to the needs of animals. (120 words)



5. Traditions and rituals outline the existence of the Indian girl child. Amidst uproars of gender equality and law enforcement, female infants are still found dumped in trash, while unborn foetuses continue to be sniffed in the womb. Wrought with discrimination, our society has dealt the girl child a raw deal. Now the issue has taken a serious turn as the girl child ratio has become lopsided. Look at the visual given below and write a short paragraph on "Girls Still at Risk" in about 120 words.



(Write answers in your English Home work Copy)

## HINDI

१. वाख कविता को कंठस्थ कीजिए ।
२. मेरे सपनों का भारत शीर्षक पर १००-१५०शब्दों का एक अनुच्छेद लिखिए ।
३. भारत के मुख्य धर्म-ग्रंथ एवं प्रतीकों का ( हिंदू,मुसलमान , सीख , ईसाई , बौद्ध , एवं जैन ) चित्र सहित चार्ट पेपर परियोजना प्रस्तुत कीजिए ।
४. यात्रा-वृत्तांत के आधार पर तिब्बत की भौगोलिक स्थिति का शब्द-चित्र प्रस्तुत करें। वहाँ की स्थिति आपके राज्य /शहर से किस प्रकार भिन्न है ?
५. भक्तिकाल के ललद्यद के अतिरिक्त तमलिनाडू की आंदाल , कर्नाटक की अक्कमहादेवी और राजस्थान की मीरा जैसी भक्त कवयित्रियों के बारे में जानकारी प्राप्त कीजिए ।
- ६.सभी समास से पाँच - पाँच समस्तपदो का विग्रह कीजिए ।

## SANSKRIT

- (१) वर्णानां उच्चारणस्थानं ,वर्णविन्यासं (मणिकाधारेण करणीयं )
- (२) पुर्वपठित स्वरान्त शब्दरूपाः (देव, लता,नदी,मुनि,साधु इत्यादय लिखनं
- (३) अपठित अवबोधनं (व्याकरण पुस्तकात् अपठित गद्याशं /संवादं /पत्र लेखनं तथा चित्रवर्णनं प्रत्येक भागात् एकं एकं करणीयं )
- (४) पाठ्ययोजनानुसारं धातुरुपाणां अभ्यासं (परस्मेपदी / आत्मनेपदी )
- (५) स्वर,व्यञ्जन,तथा विसर्गसन्धि नापठनं

## MATHEMATICS

- Q.1 The doctor advised a patient to take an injection once in every three days. How many days will it take for the patient to receive a course of ten injections?
- Q.2 Name the parallelogram that is both equilateral & equiangular ?
- Q.3 A snail is at the bottom of a well 20 m deep. Every day it climbs 7m & every night it slides back 2m.In how many days will it be out of the well ?
- Q.4 Paradip Express & Rajdhani Express travel in opposite directions with speeds 110 km/h and 130 km/h. What will be the distance between them just one hour before they meet ?
- Q.5 What is the angle in degree between the minute hand & hour hand at 2h 15 min ?
- Q.6 Prepare a mathematical model , using locally available material for the daily use of common man.
- Q.7 Prepare a PPT on role (Application) of mathematics in daily life

## SCIENCE

### PHYSICS

1. Write any three differences between displacement and distance.
2. Define the following terms and write their SI units  
(a) Speed (b) velocity (c) average speed
3. What is meant by acceleration? Is it a vector or scalar quantity? Write its SI units.
4. Can a body be at rest as well as in motion at same time? Explain with example.
5. A car decreases its speed from 36km/h to 18 km/h in 5s.find acceleration of the car.
6. An athlete completes one round of circular track of diameter 100m in 20s.what will be the distance covered and the displacement at end of 2 minutes 20s?
7. In our everyday life you come across a range of motions .Identify one example of each of the following type of motion in daily life.
  - (i) Acceleration is uniform
  - (ii) Acceleration is non-uniform
  - (iii) Acceleration is in the direction of motion.
  - (iv) Acceleration is against the direction of motion.
8. A particle moves in circular path of radius 1m with uniform speed and takes 4 seconds to complete the circular path. Find distance ,displacement and average speed for (i)one complete rotation (ii) half rotation.

### CHEMISTRY

1. Collect different samples of water such as distilled water, tap water, well water, lake water, river water and sea water. Place equal volume of each type of water in similar glasses and allow them to evaporate under similar conditions observe the time taken for their evaporation and give your interpretation.
2. Prepare a power point presentation on any one of the following topics of your choice
  - a) Effect of pressure and impurities on the freezing and boiling point of liquids.
  - b) Boiling versus evaporation.
  - c) Diffusion of gases.
3. Draw labelled diagram of the following activities :-
  - a) Sublimation of  $\text{NH}_4\text{Cl}$ .
  - b) Conversion of water to water vapour.
  - c) Conversion of ice to water.
4. Define pressure write SI unit of pressure name other 3 units in which pressure is usually measured.

## **BIOLOGY**

1. Describe Hypertonic, Hypotonic and Isotonic solution. What will happen when if plant cell is put into it?
2. Write four differences between Prokaryotic cell and Eukaryotic cell.
3. Draw labelled diagram of Plant cell and Animal Cell.
4. Write the function of Endoplasmic Reticulum, Golgi body, Vacuole, Mitochondria and Cell membrane.
5. Write a short note on: (i) Membrane Biogenesis (ii) Endocytosis (iii) Plasmolysis
6. Describe the role of Nucleus of the cell and chromosomes.
7. Write the functions of : (i) Golgi bodies (ii) Mitochondria (iii) Lysosome
8. Write the name of Plastids, its colour, location and Function.

## **Read the chapter - TISSUE**

## **SOCIAL SCIENCE**

1. Why does standard time is required for a country?
2. Write a note on the location and size of India.
3. Central location of India plays an important role in world. Justify.
4. Write about the role of philosopher in French revolution.
5. Write about the important features of democracy.
6. What kind of farming methods modern or traditional/mixed do the farmers use ?Write a note.
7. What is genocide war?
8. What is subsistence crisis?
9. Why should we read French Revolution in 2018? (Explain)
10. India is the largest democratic country in the world .Justify
11. What is KSS (KISAN SEVA SADAN)? How the farmers all over India are are benefited by it? Discuss its functioning.
12. Explain the harmful effect of Green Revolution on the environment.
13. What do you mean by factor of production?
14. Evaluate the different methods to increase the production in farming. Give suitable example.

## COMPUTER

Make a Powerpoint Presentation on the topic “OPERATING SYSTEM AND ITS TYPES” in a CD and write a report on this topic in your computer H.W. copy.

## ART AND CRAFT

- Draw any freedom fighter’s portrait in water colour and crayansh colour. (A3 size paper)
- Draw a picture of rajasthani village scene in water colours and crayansh colours. (A3 size paper)

## SPORTS

Prepare a project on the topic “Health & Hygiene”

The project should have four pages- 1. Cover page 2. What do you mean health & Hygiene?  
3. What are the objectives of Health? 4. How to maintain Health & Hygiene?

5. Write the difference between communicable and non communicable diseases and how to avoid these diseases?