DELHI PUBLIC SCHOOL GAYA
ASSIGNMENT FOR DIWALI VACATION, SESSION 2018–19
CLASS – IX

ENGLISH

1. Read the given outline and develop a story in about 150-200 words and give a suitable title to it.
   I got up in the middle of the night. I was sweating profusely…………
2. Children are the future of the nation. Schools and parents play an important role in shaping a child's personality. Write an article on the topic 'Role of School in a Child's Life' in about 100-120 words.
3. What is the significance of the title 'The Last Leaf'? What does the last leaf symbolize?
4. "If I chose a correct and rational path, the others around had to change not me", said Santosh Yadav. How does her life justify her words?
5. While returning home you came across many children on the streets with begging bowls in their hands. You were shocked and perturbed at such a grim picture of our country which prides itself on being one of the major economies of the world. Write your experience in your diary.

HINDI

1. दिवाली के सांस्कृतिक एवं धार्मिक महत्त्व पर प्रकाश डालते हुए लगभग 150 शब्दों में एक अनुच्छेद लिखिए।
2. बिहार प्रदेश के सबसे बड़े लोक आस्था का पर्व 'छठ' के बारे में लगभग 100 शब्दों में लिखिए।
3. अपने प्रिय कवि ⁄ लेखक पर एक परियोजना तैयार कीजिए।

MATHEMATICS

1. Prove that the sum of any two sides of a triangle is greater than its third side.
2. State and prove midpoint theorem.
3. Show that the quadrilateral formed by joining the mid-points of the pairs of adjacent sides of a rhombus is a rectangle.
4. Prove that the perpendicular from the centre of a circle to a chord bisects the chord.
5. Prove that equal chords of a circle are equidistant from the centre.

SCIENCE

Physics

1. Five electric fans of 120 watts each are used for 4 hours. Calculate the electrical energy consumed in kilowatt hours.
2. A ball is thrown up with a speed of 15m/s. How high will it go before it begins to fall?
3. The car A of mass 1500kg, travelling at 25m/s collides with another car B of mass 1000 kg travelling at 15m/s in the same direction. After collision the velocity of car A becomes 200m/s. Calculate the velocity of car B after the collision.

Chemistry

1. What is the fraction of the mass of water due to neutrons?
2. A sample of vitamin C is known to contain 2.58×10^{24} oxygen atoms. How many moles of oxygen atoms are present in the sample?
3. Compute the number of ions present in 5.85 g of Sodium Chloride.

Biology

1. What is the function of cnidoblast/Nematoblast in Phylum cnidaria?
2. Name the largest phylum in Animal Kingdom.
3. What is the importance of tube feet in Echinoderms?
4. State any two features of Sub-phylum protochordata.

SOCIAL SCIENCE

History and Civics

1. Explain the views of the socialists on private property with special emphasis on Karl Marx.
2. What social changes were seen in the society after industrialization?
3. Mention the features of socialism.
4. How political competition helps to force political parties and leaders to serve the people?
5. Why is there as educational qualification required for contesting election in India? Explain.

Geography

1. Collect information about some trees in your neighborhood having medicinal values and also write their uses.
2. Find out which songs, dances, festivals and special food preparation are associated with certain season in your region. Do they have some commonality with other regions of India?
3. On an outline map of India mark and label the following :
   (i) Rivers – Ganga, Satluj, Damodar, Krishna, Narmada, Tapi, Mahanadi, Brahmaputra.
   (ii) Lakes – Chilika, Sambhar, Wular, Pulicat, Kolleru
   (iii) The Karakoram, The Zaskar, The Aravali, Chotanagpur, Malwa, Satpura.

Economics

Chapter 1

1. Highlight the basic constraints in raising production from a farm.
2. What can be done to increase the non-farming activity in Palampur.
3. Is it true that foodgrains output in India has increased significantly because of large area under cultivation? Explain.
4. Land being a natural resource, is necessary to be carefully used. Why?
5. Why Green Revolution is associated with loss of soil fertility?

Chapter-2

1. Describe five main features of Sarva Shiksha Abhiyan.
2. Describe different types of unemployment found in India.
3. How are the children of educated parents are different from those of uneducated ones?
4. Mention any three features of National Health Policy.
5. Why is health of people a matter of major concern for the Indian government?

Chapter-3

1. Describe poverty trends in India since 1993.
2. Describe any five points of global poverty trends.
3. Analyse the factors responsible for contributing to decline in poverty in Kerala, Andhra Pradesh, Tamil Nadu and Punjab.
4. Give an account of inter-state disparities in poverty in India.
5. Define the current government strategy of poverty alleviation.

FIT

1. Make a Project about "Payroll System" in MS-Excel using functions, formula(s) , references etc.

SANSKRIT

1. दीपावली किमर्थम् मन्यन्ते इति विषयोपरी पञ्चाशत् शब्दैः अनुच्छेदं लिखत।
2. भगवतः सूर्यस्य पर्व (षष्ठी) विशेषतः कुत्र किमर्थम् च मन्यन्ते इति विषयमाघृत्य पञ्चाशत् शब्दैः अनुच्छेदं लिखत।
3. दीपावली षष्ठी पर्वयोः चित्राणि एकत्री कृत्वा एकां चित्र मञ्जूषां रचयत।

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