



# DELHI PUBLIC SCHOOL GAYA

## ASSIGNMENT-2, SESSION 2018–19

### CLASS – VIII

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#### ENGLISH

1. Have you ever come across a situation, where you had to make a difficult choice? What was the deciding factor which made you choose one option over the other? Write about it in a paragraph (100 words).
2. Today, one cannot fathom life without computers. From banking to shopping, from cooking to counselling, from history to science, the internet is a storehouse of information. This easy access to information spreads awareness, which in turn empowers people. As an avid internet user, write a speech on “Why do you think that internet encourages democracy?”
3. Many old people are not wanted by their families. They are considered as a burden. In many cases, they are sent off to 'Homes for the Aged'.
  - i. Find out why people no longer want to take care of their aged parents.
  - ii. Find out what the society/ the government is doing to help such people out.

#### HINDI

1. धार्मिक कार्यों के महत्त्व के बारे में अपने माता – पिता से जानकारी प्राप्त कर लिखिए।
2. देश से भ्रष्टाचार को समाप्त करने के उपायों पर अपने विचार विस्तार से लिखिए।
3. आपके जीवन पर सबसे ज्यादा प्रभाव किस व्यक्ति का पड़ा और क्यों? विस्तार से लिखिए।

#### MATHEMATICS

1. Using algebraic identities find the values of the following:
  - a)  $(704)^2$
  - b)  $(298)^2$
  - c)  $14.7 \times 15.3$
  - d)  $128^2 - 72^2$
2. Factorise  $(64x^2 + 81y^2 + 144xy)$  and then find the value of the given expression when  $x = 11$  and  $y = \frac{4}{3}$ .
3. The perimeter of a rectangular swimming pool is 154m. Its length is 2m more than twice its breadth. Find the dimensions of the pool.
4. A milkman sold two of his buffaloes for Rs. 20,000 each. On one he made a gain of 5% and on the other, a loss of 10%. Find his overall gain or loss.
5. Pinky purchased a hair-dryer for Rs. 5400 including 8% VAT. Find the price before VAT was added.

## SCIENCE

### **Physics**

1. Two surfaces are rubbed together, first with a smaller force and then with a greater force. In which case will the friction between the surfaces be higher? Give reason.
2. "Friction is a necessary evil" explain with a suitable example.
3. Collect pictures and information about Maglev trains. Why friction does not reduce their speed?

### **Chemistry**

1. Name the products obtained and their uses when coal is processed in industry.
2. We read in newspaper that burning of fuels is a major cause of global warming. Explain why?
3. Imagine that all the exhaustible natural resources are exhausted by human activities. Do you think survival of living beings would be possible? If yes, why?, If not, why not ?

### **Biology**

1. Name the different types of plastids and their functions.
2. Write the difference between a plant cell and an animal cell with the help of a coloured diagram.

## SOCIAL SCIENCE

1. Prepare a comparative chart on British Education & Indian Education.
2. Design a poster on "Executive Levels of India".

## SANSKRIT

1. माँ दुर्गयोपरि संस्कृते पञ्च वाक्यानि रचयत ।
2. समास विग्रहं कुरुत –  
उपवनम्, उपवृक्षम्, निर्जनम्, निर्दोषम्, प्रत्येकम् यथासमयम्, सचित्रम् ।

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