



# SARALA BIRLA PUBLIC SCHOOL

Mahilong, Ranchi

Assignment-2(2019-20)

Class : IX



Name : \_\_\_\_\_ UID : \_\_\_\_\_ : Roll no. : \_\_\_\_\_

## English

1. Give the meanings of the following idioms along with usage in sentences:
  - a) That's the way the ball bounces
  - b) Like a bear with a sore head
  - c) Caught in the crossfire
  - d) Chicken feed
  - e) Face like a wet weekend
  - f) Tickle the ivories
  - g) As conceited as a barber's cat
  - h) Donkey's ears
  - i) Give up the ghost
  - j) Bright eyed and bushy tailed
2. Give a synonym and an antonym for the following words:
  - a) Cannibal
  - b) Benevolent
  - c) Demolish
  - d) Elude
  - e) Feud
  - f) Hinder
  - g) Impudent
  - h) Vanquish

- i) Melancholy
- j) Long – winded

3. Use the following homophones in sentences to bring out their meanings:
  - a) mask – masque
  - b) sole – soul
  - c) muscle – mussel
  - d) need – knead
  - e) sort- sauté
  - f) which – witch
  - g) whether – weather
  - h) leek – leak
  - i) idol – idle
  - j) peak - peek

## Hindi

- 1। निम्नलिखित विषयों में से किसी एक पर निबंध लिखें।

### **शिक्षा का गिरता स्तर**

‘ शिक्षा का उद्देश्य ’ वर्तमान शिक्षाप्रणाली ’ पुस्तकीय ज्ञान

**अथवा**

### **मीडिया की भूमिका**

‘ मीडिया का प्रभाव ’ सकारात्मकता और नकारात्मकता ’ अपेक्षाएँ

- 2। निम्नलिखित अलंकारों के एक एक उदाहरण लिखें।

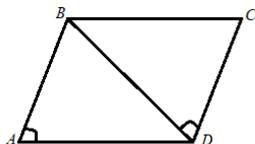
श्लेष, रूपक, अतिशयोक्ति एवं मानवीकरण

## Sanskrit

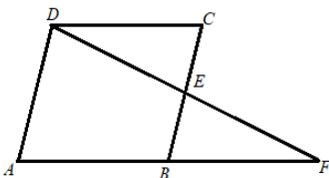
कक्षा कार्य की कॉपी में 1 से 50 तक की संख्या संस्कृत में लिखें।

## Maths

1. The angles of a quadrilateral are in the ratio 3:5:9:13 find all angle of the quadrilateral.
2. The perimeter of a parallelogram is 22 cm. if the longer side measure 6.5 cm what is the measure of the shorter side?
3. In the given figure ABCD is a parallelogram in which  $\angle DAB = 75^\circ$  and  $\angle DBC = 60^\circ$ . Compute  $\angle CDB$  and  $\angle ADB$ .



4. In the given figure ABCD is a parallelogram and E is the mid-point of the side BC. If DE and AB when produced meet at F, prove that  $AF = 2AB$ .



5. Show that if the diagonal of a quadrilateral bisects each other at right angle, then it is a rhombus.
6. A quadrilateral is a parallelogram, if its one pair of opposite sides are equal and parallel.

## Physics

Topic: To verify the laws of reflection of sound by making a working model.

## Chemistry

Write the below lab activity in the lab manual copy along with the Diagram with the help of book.

Experiment 4. To carry out the following reactions and classify them as physical or chemical changes.

- a. Iron with copper sulphate solution
- b. Burning of Mg in air.
- c. Zn with dil. sulphuric acid.
- d. Heating of copper sulphate crystal
- e. sodium sulphate with barium chloride in the form of their solutions in water.

Experiment 5.

- a. To determine the melting point of ice.
- b. To determine the boiling point of water.

## Biology

Visit a nearby poultry farm or fishery or apiary and explain with pictures about its different species, maintenance practices and its productivity. (Atleast 5 species)

## History:

- On an outline map of world, locate and label
- i) Axis Powers(Germany, Italy and Japan)
  - ii) Allied Powers(UK, France, USA and former USSR)

## Civics:

Make a chart or diagram to show the difference between the Lok Sabha and the Rajya Sabha.  
(on the basis of—election of members, strength, tenure and power over Money Bills)

## Geography.:

On a political map of India show the tentative progress of advancing and retreating monsoon.(NCERT book pg 32 and 34)

## Economics.

Make a flowchart depicting poverty alleviation programmes.

## Computer Application:

Make a PPT on **Artificial Intelligence**