



# SARALA BIRLA PUBLIC SCHOOL

WINTER ASSIGNMENT (2019-20)

STD – IX

Name : \_\_\_\_\_ Class and Section : \_\_\_\_\_ UID No. : \_\_\_\_\_

## ENGLISH (Assignment copy)

1. *Fear haunts most of us in one form or the other. Silly movies frighten us and sometimes fear spills over in life itself. Write an original story using hints given below. (200-250 words)*  
*Hints: saw a ghost movie–before going to bed–dreamt of ghost chasing me – screamed – sister and brothers woke up– they screamed too – we looked at each other –then burst out laughing – never lived it down.*
2. How does Bruno’s behaviour indicate that animals too have emotions, affection, memory and individual traits of character.
3. The future of a country depends upon the power of youth. Explain how Prashant organised the youth in Ersama to help the cyclone affected people.

## HINDI(Assignment copy)

- (क) 'नव वर्ष पर नया संकल्प' इस विषय पर मां एवं पुत्र के मध्य हुए संवाद लिखें।  
(ख) समाचार पत्रों में विज्ञापन कम करने तथा समसामयिक विषयों पर लेखन की आवश्यकता दर्शाते हुए किसी दैनिक समाचार पत्र के संपादक को पत्र लिखें।

## SANSKRIT(Class work copy)

- (1) 'वर्षाकालः' इति विषये एकं अनुच्छेदं लिखत ।  
(मयूराः , कृषकाः , मेघाः , भवन्ति , प्रसन्नाः , आच्छादितः , तडागम् , नद्याः , वृक्षाः , विकसन्ति , नृत्यन्ति , जलम् , सर्वत्र , बालाः)
- (2) 'मम परिचयः' इति विषये एकं अनुच्छेदं लिखत ।  
(नाम , कक्षायाम् , स्निहयतः , परिवारः , अनुजा , भवितुम् , इच्छामि , पितुः नाम , मित्राणि , परिश्रमेण , पठामि , निवसामि)

## MATHEMATICS (Lab book)

- 1- Activity 6.2 - Finding experimental probability
- 2- Activity 4.16 - Comparison of diagonals in different quadrilaterals

## SOCIAL SCIENCE

### HISTORY(Classwork copy)

1. The crimes that the Nazis committed were linked to a system of belief and a set of practices. Discuss.
2. State any 2 causes of the revolt in Bastar.
3. Explain the following terms:
  - (a) Scorched earth policy.
  - (b) Blandongdienst system.
  - (c) Swidden cultivation.

### CIVICS

1. Mention any 3 characteristics of rights.
2. State any 3 rights of a detained person.
3. What is a PIL?

### GEOGRAPHY(Assignment copy)

1. What is birth rate?
2. Define sex ratio.
3. What are push and pull factors?
4. The health situation is a matter of major concern in India. Explain.

### ECONOMICS(Assignment copy)

1. Write a short note on the role of cooperatives in providing food and related items.
2. Describe poverty trends in India since 1973.
3. Can you suggest some measures in the education system to mitigate the problem of the educated unemployed?
4. What can be done to promote non-farm activities in villages?

## SCIENCE(Assignment copy)

### **PHYSICS**

1. A stone is thrown in a vertically upward direction with a velocity of 5m/s. If the acceleration of the stone during its motion is  $10\text{m/s}^2$  in the downward direction, then what will be the height attained by the stone and what time will it take to reach.
2. A hammer of mass 500g, moving at 50m/s, strikes a nail. The nail stops the hammer in a very short time of 0.01sec. What is the force of the nail on the hammer?
3. The volume of a 500g sealed packet is  $350\text{cm}^3$ . Will the packet float or sink in water if the density of water is  $1\text{g/cm}^3$ ? What will be the mass of the water displaced by this packet?
4. A man is moving with high velocity of 30m/s. Determine the total mechanical energy of man weighing 60kg, if he is on a height of 50m at this speed.( Take  $g = 10\text{m/s}^2$  )

5. A sound wave travels at a speed of 339m/s. If its wavelength is 1.5cm, then what is the frequency of the wave? Will it be audible?

### **CHEMISTRY**

1. Describe an activity to show particles have space among them.
2. Name the principle used to separate kerosene and water. Draw a neat and labelled diagram of the apparatus used in this separation.
3. Write the molecular formulae for the following compound: a.Copper(II)bromide  
b.Aluminium(III)nitrate c. Calcium(II)phosphate d.Iron(III)sulphide
4. Compare Thomson's,Rutherford's and Bohr's model of atom in tabular form.

### **BIOLOGY**

1. Answer the following questions in class work copy-:
  - a) Write the functions of following cell organelles -:
    - i) Plasma membrane            ii) cell wall                            iii) Nucleus
    - iv) endoplasmic reticulum    v) Golgi apparatus    vi) Lysosomes
  - b) Diagrammatically differentiate between parenchyma, collenchyma and sclerenchyma.
  - c) Write the differences between following divisions of plantae-:
    - i) Thallophyta and Bryophyta
    - ii) Bryophyta and pteridophyta
    - iii) Gymnosperms and Angiosperms
  - d) Write the similarities between following Phylum of animalia-:
    - i) Annelida and Arthropoda
    - ii) Mollusca and Echinodermata
  - e) Write five common characteristic features of vertebrates.
2. Write experiment no. –12, 13 and 15 in lab book.