



- (ii) अस्मिन् अनुच्छेदे 'प्रियतरम्' इयस्य विलोमपदं किं प्रयुक्तम् अस्ति?  
 क- अप्रियतरम् ख- अन्यत् ग- मुग्धम् घ- कोकिलम्
- (iii) 'अवलोकयन्ति' इति क्रियायाः कर्तृपदं किम्?  
 क- प्रेम्णा ख- मधुरभाषिणम् ग- सर्वे घ- भाषिणम्
- (iv) 'सम्पूर्णम्' इत्यस्य पदस्य कः पर्यायः?  
 क- अखिलम् ख- अखिलमपि ग- वाक् घ- जगत्

IV. अस्य अनुच्छेदस्य कृते समुचितं शीर्षकं लिखत ।

5. 'किम्' शब्दस्य त्रिषु लिङ्गेषु रूपाणि लिखित्वा स्मरत ।

6. मातृ , पितृ , कवि , शब्दानां रूपाणि लिखित्वा स्मरत।

7. धाव् , स्था ( तिष्ठ ) , पा ( पिब् ) , गम् ( गच्छ ) धातूनां पञ्चलकारेषु रूपाणि लिखित्वा स्मरत।

भवतः नाम सक्षमः छात्रावासे च भवान् वसति। भवान् अजन्ता-एलोरा-गुहा दर्शनार्थम् शैक्षिकयात्रायै गन्तुम् इच्छति। धनप्रेषणार्थम् पितरं प्रति लिखितं पत्रं मञ्जूषायां प्रदत्त-उचितशब्दैः पूरयित्वा उत्तरपुस्तिकायां पुनः लिखत।

22,रंगनाथन् छात्रावासः

(i).....

तिथिः .....

परमादरणीयाः (ii).....।

(iii)..... प्रणमामि।

सविनयं(iv)..... यत् मम त्रैमासिकी (v)..... समाप्तिं गता। मम (vi)..... शोभनानि अभवन्।।अस्मिन् (vii)..... अहं गृहं न आगमिष्यामि , यतः विद्यालयेन एकस्याः (viii)..... प्रबन्धः कृतः। एषा अजन्ता-एलोरा-गुहानां दर्शनाय आयोजिता अस्ति। यात्राव्ययार्थं (ix)..... रुप्यकाणि प्रेषयन्तु भवन्तः।

शेषं सर्वं कुशलम्। मम (x)..... अग्रजाय च सादरं प्रणामाः।

भवदीयः प्रियपुत्रः

सक्षमः

मञ्जूषा :- [ निवेदयामि ,परीक्षा ,सादरं , शैक्षिकयात्रायाः , पंचशतम् ,कोलकातातः , शरदवकाशे , जनन्यै , उत्तरपत्राणि , पितृमहाभागाः]

4. अधोदत्त चित्रं दृष्ट्वा मञ्जूषायां प्रदत्तपदानां सहायतया रिक्तस्थानानि पूरयित्वा लिखत। 1x10=10



मञ्जूषा :- [ पुष्पाणि ,दोलायाम् , सूर्यः ,भगिनी-भ्रातरौ , द्वे-वर्तिके , आकाशे , वृक्षः , महिला , चित्रं , राजमार्गः]

- (i) इदम् उपवनस्य ..... अस्ति। (ii) उपवने भ्रमणाय एकः पक्वः ..... निर्मितः अस्ति।  
 (iii) राजमार्गे एका ..... भ्रमति। (iv) अत्र एकः ..... अपि दृश्यते।  
 (v) ..... तडागे तरतः। (vi) ..... अनेके खगाः उड्डीयन्ते।  
 (vii) एका कन्या ..... उपविशति। (viii) द्वौ ..... अपि तिष्ठतः।  
 (ix) अत्र अनेकानि ..... विकसितानि सन्ति। (x) ..... उदयं गच्छति।

**Holiday Homework For summer Break 2019-20**  
**CLASS – X Subject – Mathematics**  
**CHAPTER- 1**

1. Prove that  $\sqrt{11}$  is irrational.
2. Prove that  $\sqrt{2} + \sqrt{3}$  is irrational.
3. If  $n$  is an odd positive integer, show that  $n^2-1$  divisible by 8.
4. Find the largest possible integer that will divide 398,436 and 542 leaving remainders 7,11 and 15 respectively.
5. Find the least number which when divided by 12, 16, 24 and 36 leaves a remainder 7 in each case.
6. Learn and Write statement of theorem 1.1, 1.2 and 1.3.
7. Find the HCF (210, 55) by Euclid's division algorithms. If the HCF (210, 55) is expressible in the form  $210X + 55Y$ , and then finds  $p$ .
8. Solve all the examples of chapter 1.

**CHAPTER- 2**

1. Define the following polynomial and write its degree –  
 i) Quadratic polynomial                      ii) Cubic polynomial  
 iii) Constant polynomial                      iv) Zero polynomial
2. If one of the zeros of the quadratic polynomial  $(k-1)x^2 + kx + 1$  is -3 then find the value of  $k$ .
3. If  $\alpha, \beta$  are the zeros of quadratic polynomial  $3x^2 - 5x - 2$  then finds the value of –  
 i)  $\alpha^2 + \beta^2$                                       ii)  $\alpha^2 / \beta + \beta^2 / \alpha$
4. If  $\alpha, \beta$  are the zeros of quadratic polynomial  $y^2 - 8y + a$  such that  $\alpha^2 + \beta^2 = 40$ , then find the value of  $a$ .
5. Obtain all other zeros of polynomial  $x^4 - 3x^3 - x^2 + 9x - 6$  if two of its zeros are  $\sqrt{3}$  and  $-\sqrt{3}$ .
6. If  $\alpha, \beta$  are the zeros of quadratic polynomial  $6y^2 - 7y + 2$ , then find a another quadratic polynomial whose zeros are  $1/\alpha$  and  $1/\beta$ .
7. Solve all the examples of chapter 2.

**CHAPTER- 3**

1. Find the value of  $k$  for which the lines  $(k + 1)x + 3ky + 15 = 0$  and  $5x + ky + 5 = 0$  are coincident.
2. In  $\Delta ABC$   $\angle A = 90^\circ$ ,  $\angle B = 30^\circ$  and  $\angle C = 60^\circ$ . If  $3y - 5x = 30$  then prove that  $\Delta ABC$  is right triangle.
3. Draw the graph of the pair of linear equation  $x - 2y = 4$  and  $3x + 5y = 1$ . Write the vertices of the triangle formed by these lines and the  $y$ -axis. Also find the area of this triangle.
4. Solve the following pair of linear equations –  
 i)  $99x + 101y = 499$                                       ii)  $21x + 47y = 110$   
 $101x + 99y = 501$                                        $47x + 21y = 162$
5. A boat covers 25 km upstream and 44 km downstream in 9 hours. Also it covers 15 km upstream and 22 km downstream in 5 hours. Find the speed of the boat in still water and of the stream.
6. For what value of  $p$  will the system of linear equation  $x + 2y = 5$  and  $3x + py = 15$  has –  
 i) a unique solution                                      ii) no solution
7. Solve by cross multiplication method

i)  $77(y+3) - 2(x+2) = 14$

$4(y-2) + 3(x-3) = 2$

ii)  $x/a + y/b = a+b$

$x/a^2 + y/b^2 = 2$

### **Holiday home work for summer vacation**

#### **Class 10th**

#### **Subject - Science**

1. To write at least 3 examples for all 4 types of chemical reactions which are not given in text book.
2. Practice the balancing chemical reactions with at least 10 reactions which are not given in the text book.
3. Practising of drawing labelled diagrams for following structures
  - A. Stomata
  - B. Human digestive system
  - C. Human respiratory system
  - D. Human heart
  - E. Human excretory system
  - F. A nephron
4. To show the formation of images with the help of ray diagrams when the object is kept at different positions before
  - A. Convex lens
  - B. Concave lens
  - C. Convex mirror
  - D. Concave mirror
5. Count the pulse rate of your at least 5 friends before exercise and after exercise and correlate the data you find in light of scientific knowledge you earned.

### **SUMMER VACATIONS ASSIGNMENT**

#### **CLASS – X**

#### **SUBJECT- SOCIAL SCIENCE**

##### **SHORT ANSWER QUESTION 3 MARKS EACH**

- 1 Differentiate between renewable resources and non renewable resource.
- 2 How can we conserve resources?
- 3 why Power Sharing is desirable?
- 4 What were the causes of Civil War in the Sri Lanka?
- 5 Mention the horizontal distribution of Power Sharing?
- 6 write three factors of resource planning?
- 7 What are the causes of Soil erosion?
- 8 Give ethnic composition of Belgium.
- 9 Write three properties of regur soil?
- 10 Write three characteristics of Arid soil?

##### **LONG ANSWER QUESTIONS 5 MARKS EACH**

- 11 What are the causes of Land degradation?
- 12 Classify the resources on the basis of the state of development.
- 13 What are the various forms of Power Sharing?
- 14 Mention the resources based on the ownership.
- 15 Give the distribution of different soils in the outline map of India.