

# Class -IX

## English

- 1.) Design a Poster creatively and give an appropriate slogan for it.
    - “Save Electricity” (Roll No. 1 to 10)
    - “Woman Empowerment” (Roll No. 11 to 20)
    - “No Tobacco Campaign” (Roll No. 21 onwards)
  - 2.) Revise Poems and Prose done so far (Beehive and Moments)
  - 3.) Read ‘Malgudi Days’ by R.K Narayan and interpret at least three stories in your own language, adding critical comments on the story.
  - 4.) Do “Pull Out Worksheets” of Reading Skill section from 6 to 10.
- \* Complete the given worksheets.
- \* English H.H.W to be done in separate note book.

## हिन्दी

चार्ट कार्य – अनुकमांक के अनुसार कीजिए।

1. (अनुकमांक 1 – 9) पता कीजिए कि कौन से सॉप विषैले होते हैं। उनके चित्र एकत्र कीजिए और जानकारी प्राप्त करके परियोजना तैयार कीजिए।

2 (अनुकमांक 10 – 18) आगे बढ़ती भारतीय महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों का संग्रह कीजिए एवं संक्षिप्त जानकारी प्राप्त करके परियोजना तैयार कीजिए।

क) पी टी उषा

ख) आरती साघ

ग) किरण बेदी

3 (अनुकमांक 19 – 27) जलियोवाला बाग में कौनसी घटना हुई थी ? जानकारी एकत्र कर परियोजना तैयार कीजिए। चित्र सहित

4 (अनुकमांक 28 से आगे) अहमदाबाद में बापू के आ म के विषय में चित्रात्मक जानकारी प्राप्त कीजिए व परियोजना तैयार कीजिए।

❖ अप्रैल व मई के पाठ्यक्रम की पुनरावृत्ति करें।

❖ कार्यपत्रक को पूर्ण करें तथा उन्हें अपनी कॉपी में चिपकाएँ।

## Maths

- 1.) (a) Make a project file on history of Mathematics. The students can choose several topics from history of Mathematics for doing a project. For instance the topic can be about an Indian Mathematician or to the concept of zero in various ancient civilizations. (Roll No. 1 to 16)  
  
(b) Make a project file on various aspects of Pythagoras theorem. (Roll No. 17 onwards)
  - i. Biography of Pythagoras
  - ii. Statement of the theorem
  - iii. Proof of the theorem
- 2.) Revise Chapter – 1, 2, 3
- 3.) Do worksheet in Maths notebook.
- 4.) Do Lab Manual Activity No. – 3, 5, 8, 9

## Science

- 1.)
  - a) Prepare a working model of Respiration in human beings.(Roll No. 1 to 10)
  - b) Prepare a model on Plant cell. (Roll No. 11 to 20)
  - c) Make a model on Animal cell (Roll No. 21 onwards)
- 2.) Complete Lab Manual Experiments
  - Chemistry – 1, 2, 3
  - Biology – 7, 8
  - Physics - 4
- 3.) Do the worksheets given.
- 4.) Revise the Chapters done in the class.

## **Social Science**

1.) Make a project file on Disaster Management –

- ❖ On Cyclone - (Roll No. 1 to 6)
- ❖ On Earthquake - (Roll No. 7 to 12)
- ❖ On Drought - (Roll No. 13 to 18)
- ❖ On Flood - (Roll No. 19 to 24)
- ❖ On Landslide - (Roll No. 25 to 30)
- ❖ On man Made Disaster - (Roll No. 31 onwards)

2.) Complete chapters of Lab Manual done in the class.

## Class – IX

### Subject-English

Q1) Write the answers of the following questions in 30 – 40 words.

- a) What kind of teachers did Margie and Tommy have? Did they like them?
- b) What made Isabel suspect Evelyn's hearing ability?
- c) Why did Aurangzeb ban the playing of the Pungi?
- d) What do the two roads stand for?
- e) What should we do to make friends with the wind?
- f) When did the child realise that he was separated from his parents? What was his response?
- g) How does ToTo come to grandfather's private zoo?

Q2) Write the answers of the following questions in 80 – 100 words.

- a) Describe in brief the early life of Bismillah Khan, his achievements and various awards that were conferred on him in later years.
- b) You are a Counsellor. Write a paragraph advising parents how to ensure that the children are not lost in any crowded place like a fair, etc.

## Class – IX

### Subject-English Grammar

Q1) Fill in the blanks choosing the most appropriate option given below.

Thousands of species of plants (a) \_\_\_\_\_ animals are fast disappearing from the face (a) \_\_\_\_\_ our earth and no one else (c) \_\_\_\_\_ human being is responsible for this (d) \_\_\_\_\_ of trees in the hilly regions has destroyed (e) \_\_\_\_\_ Life of people living there.

a) or / and / but

b) for / on / of

c) and / else / but

d) Fell / Felling / Fall

e) A / an / the

Q2) Arrange the following jumbled up words and phrases into meaningful sentences.

a) check / please / details/ the/ for / website

b) sister / chocolates / loves / my / and / ice-creams / eating

c) place / nobody / parents / take / the / can / of

d) do not / please / the roads / litter

Q3) The following passage has not been edited. There an error in each line. Write the in correct and the corrected word against the blank.

	Incorrect	Correct
In the evening, as I am	_____	_____
returning by the office, I	_____	_____
saw a disorderly rows to	_____	_____
vehicles. An accident had	_____	_____
took place killing two boys and	_____	_____
injure other three. The boys	_____	_____
are driving in high speed.	_____	_____

Q4) Rewrite the following short paragraphs changing the voice from active to passive and passive to active

a) My brother bought a box of chocolates for me last month.I distributed the chocolates among all my friends.

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b) The language test was taken by Arts students. The papers were distributed by the examiners.

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c) We should treat each person with respect. The teacher said this to all students of the class.

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## विषय—हिन्दी साहित्य

प्र 1 निम्नलिखित प्रश्नों के उत्तर लिखिए—

- क) भगवाना की बूढ़ी माँ समाज में व्याप अंधविश्वासों का शिकार बनी क्या आप इस कथन से सहमत हैं ? समझाकर उत्तर लिखिए।
- ख) एवरेस्ट की यात्रा के दौरान किन लोगों ने किस प्रकार लेखिका का मार्ग दर्शन किया ?
- ग) अभियान दल के सदस्यों को किन—किन परेशानियों का सामना करना पडा ?
- घ) दीपक और बाती के माध्यम से कवि ने ईश्वर और भक्त के संबंध को किस प्रकार स्पष्ट किया है ?
- ङ) रैदास के प्रस्तुत पदों से कवि हमें क्या प्रेरणा देना चाहता है ?
- च) जलहीन कमल की रक्षा सूर्य भी नहीं कर पाता इस उदाहरण के द्वार कवि क्या शिक्षा देना चाहते हैं ?
- छ) निज मन की बिथा मन ही राखो गोय कह कर कवि ने क्या शिक्षा दी है ?
- ज) आहत पशु—पक्षियों की सुरक्षा एवं सेवा किन आदर्शों को प्रदर्शित करते हैं ? गिल्लू पाठ के आधार पर लिखे।
- झ) चिट्ठियों के कुएँ में गिर जाने पर लेखक को माँ की याद क्यों आई ?

## विषय—हिन्दी व्याकरण

प्र 1 निम्नलिखित शब्दों का वर्ण-विच्छेद कीजिए—

- क) सृष्टि — \_\_\_\_\_  
ख) हस्ताक्षर — \_\_\_\_\_  
ग) विज्ञापन — \_\_\_\_\_  
घ) सौभाग्य — \_\_\_\_\_  
ङ) आशंका — \_\_\_\_\_  
च) आर्थिक — \_\_\_\_\_

प्र 2 निम्नलिखित वर्णों के योग से निर्मित शब्द लिखिए—

- क) अ + न् + उ + भ् + उ + त् + इ — \_\_\_\_\_  
ख) व् + इ + श् + र् + आ + म् + अ — \_\_\_\_\_  
ग) च् + अ + ट् + ट् + आ + न् + अ — \_\_\_\_\_  
घ) द् + ए + व् + अ + त् + व् + अ — \_\_\_\_\_  
ङ) व् + अ + ज् + ई + र् + अ — \_\_\_\_\_

प्र 3 निम्नलिखित शब्दों में उचित स्थान पर अनुस्वार का प्रयोग करके पुन लिखिए—

- क) शख — \_\_\_\_\_ ख) तुरग — \_\_\_\_\_  
ग) मजन — \_\_\_\_\_ घ) सवाद — \_\_\_\_\_

प्र 4 निम्नलिखित शब्दों में उचित स्थान पर अनुनासिक का प्रयोग करके पुन लिखिए—

- क) धुआ — \_\_\_\_\_ ख) महगाई — \_\_\_\_\_  
ग) झाककर — \_\_\_\_\_ घ) पाचवें — \_\_\_\_\_

प्र 5 निम्नलिखित उपसर्गों से दो-दो शब्द बनाओ—

- क) अथ — \_\_\_\_\_



ख) दु - \_\_\_\_\_  
ग) दुर - \_\_\_\_\_  
घ) अव - \_\_\_\_\_  
ङ) अनु - \_\_\_\_\_

प्र 6 निम्नलिखित शब्दों में से मूल शब्द और प्रत्यय अलग - अलग करके लिखिए-

	मूलशब्द	प्रत्यय
क) बेचैनी -	_____	_____
ख) देवत्व -	_____	_____
ग) शारीरिक -	_____	_____
घ) तरावट -	_____	_____
ङ) रंगीन -	_____	_____

प्र 7 निम्नलिखित शब्दों में उचित स्थान पर नुक्ते का प्रयोग करके पुन लिखिए-

क) लिफाफे -	_____	_____
ख) अंदाजा -	_____	_____
ग) साफ -	_____	_____
घ) जरा -	_____	_____
ङ) दिलपजीर -	_____	_____

**Class - IX**

**Subject - Maths**

Q1) Simplify

a)  $\sqrt{72} + \sqrt{200} - \sqrt{18}$

b)  $(\sqrt{13} + \sqrt{5})(\sqrt{13} - \sqrt{5})$

Q2) Express 3.2 in the form  $\frac{p}{q}$  where p and q are integers and  $q \neq 0$

Q3) Represent  $\sqrt{2}$  on the real number line.

Q4) Simplify  $\frac{6}{6} - \frac{4}{+4} \frac{\sqrt{3}}{\sqrt{3}}$  by rationalizing the denominator.

Q5) Find the value of a and b if  $\frac{\sqrt{3}-1}{\sqrt{3}-1} = a + b\sqrt{3}$

Q6) Represent  $\sqrt{10.5}$  on the number line.

Q7) If  $x = \sqrt{2} + 1$  find the value of  $x + \frac{1}{x}$

Q8) Find the value of  $\frac{4}{(216)^{\frac{-2}{3}}} + \frac{4}{(256)^{\frac{-3}{4}}} + \frac{4}{(243)^{\frac{-1}{5}}}$

Q9) Find the value of the polynomial

$y^2 - 5y + 6$  at (a)  $y = 0$  (b)  $y = -1$

Q10) If  $x = \frac{-1}{3}$  is a zero of a polynomial  $p(x) = 27x^3 - ax^2 - x + 3$ , then find the value of a?

Q11) Find the remainder when  $4x^3 - 3x + 4x^2 - 2$  is divided by

(a)  $x - 1$  (b)  $x - 2$

Q12) Find the following by using suitable identities

(a)  $(2x+5)(2x-5)$  (b)  $(x^2 + 4)(x^2 - 4)$   
(c)  $(5x + 4)(5x + 4)$  (d)  $(3x + 4y)(3x - 8y)$

Q13) Factorize the following using suitable identities

(a)  $x^2 - y^2 + 2x + 1$  (b)  $a^4 - 16b^4$

Q14) If  $2x + 3y = 12$  and  $xy = 6$  find the value of  $8x^3 + 27y^3$

Q15) It is given that  $3a + 2b = 5c$  then find the value of  $27a^3 + 8b^3 - 25c^3$  if  $abc = 0$

Q16) Factorize  $2x^3 - 5x^2 - 19x + 42$

Q17) Which of the following points lie on the x-axis and which on the y-axis?

(1,1) (0,-3) (-2,0) (-1,1) (0,5) (6,0)

Q18) If a point lies on the y axis, then what will be its abscissa?

Q19) In what quadrant the following point lie?

(3,2) (2,-3) (-4,4) and (-2,-3)

Q20) Plot the points A (-3,2) B (-5,-4) C (-2,-4) and D (0,2). What figure do you get joining the points in order?

**Class – IX**

**Subject - Science**

Q1) Give reasons for the following:-

- a) A liquid generally flows easily.
- b) Ice at  $0^{\circ}\text{C}$  appears Colder when kept in the mouth than water at  $0^{\circ}\text{C}$ .
- c) Doctor advise to put strips of wet cloth on the forehead of a person having high fever.

Q2) a) List two roles of nucleus of a cell

- b) Name two substances store in the vacuoles of a plant cell.

Q3) A car starts from rest and attains a velocity of  $10\text{m/s}$  in  $40\text{s}$ . The driver applies breaks and slow down the car to  $5\text{m/s}$  in  $10\text{s}$ . find the acceleration of the car in both the cases. [ $0.25\text{m/s}^2$ ,  $-0.5\text{m/s}^2$ ]

Q4) Give reasons for the following.

- a) Camphor disappears if kept in open air for a few days.
- b) Wet clothes do not dry easily on rainy days.
- c) We sweat more on humid days.

Q5) Expand RER and SER. Differentiate between their structure and function.

Q6) Derive the second equation of motion  $s = ut + \frac{1}{2} at^2$  graphically.

Q7) Suggest a suitable separation technique for the following.

- a) Mercury and water.
- b) Coloured components from blue ink.
- c) Ammonium Chloride and Potassium chloride.
- d) Mixture of alcohol and water.

Q8) State main functions of the following

- a) Mitochondria
- b) Golgi apparatus
- c) Vacuoles

Q9) A train is travelling at a speed of 90km/h. Brakes are applied so as to produce a uniform acceleration of  $-0.5\text{ms}^{-2}$ ,. Find how far the train will go before it is brought to rest.

Q10) State three differences between Cell membrane and Cell wall.

Q11) Differentiate between diffusion and osmosis.

Q12) Describe the techniques of separation given below.

a) Evaporation

b) Centrifugation

c) Sublimation`

d) Distillation