

### English

- Q.1 Explain different kinds of poetic devices with examples?
- Q.2 You are a head girl/head boy of your school. Prepare a speech for your last day in school – “Me and my school”.
- Q.3 You have won a contest in which you have got an opportunity for a world tour of one month. Wow will you plan it. Also express your feelings.
- Q.4 Write paragraphs (100 words) on the following topics. (Any two)
- My Ambition
  - My role model
  - My India! My dream!
- Q.5 Do exercise of verb forms in your work book.
- Q.6 What is the message of the poem ‘The brook’?
- Q.7 Describe the relationship between Awa and the narrator.
- Q.8 Justify the title of the story ‘How I taught my grandmother to read’?
- Q.9 What is the theme of the chapter ‘How I taught my grandmother to read’?
- Q.10 Write an E-mail to the Editor, National Daily about the severe shortage of water supply in your colony. Express your problems and also recommend solutions for it.

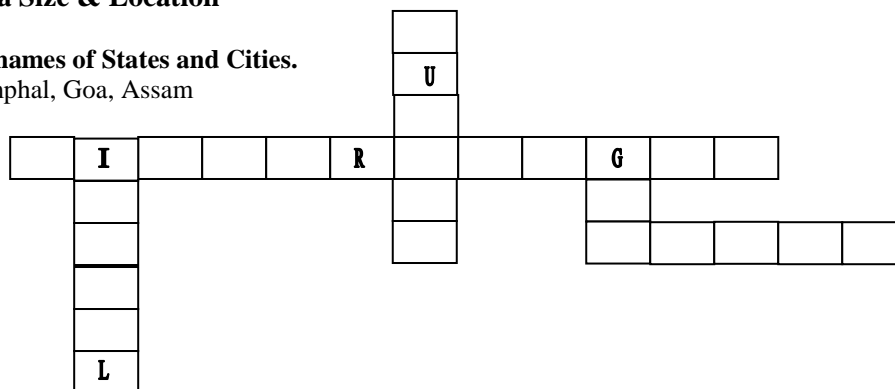
### Science

- Q.1 **Answer in one word:**
- S.I unit of temperature is \_\_\_\_\_
  - \_\_\_\_\_ of liquid at room temperature gives a cooling effect.
  - Gaseous state has \_\_\_\_\_ intermolecular space.
  - Latent heat of \_\_\_\_\_ is the amount of heat required to change 1 kg of liquid into gas at atmospheric pressure at its boiling point.
  - Matter is anything that occupies \_\_\_\_\_ and has \_\_\_\_\_
- Q.2 **Short answer type questions:**
- In which state of matter particles are held together with maximum force?
  - When sugar is dissolved in water the volume of solution does not change. Why?
  - Among the following choose the substance with the strongest and the weakest intermolecular forces.  
Water, alcohol, sugar,  $\text{CO}_2$
  - Give two properties of solids?
  - Why ice at 273 K more effective in cooling than water at some temp.?
  - $\text{CO}_2$  is heavier than both nitrogen and oxygen why does it not form lower layer in the atmosphere?
  - What is the pressure at sea level?
  - Why do we sweat more on a humid day?
  - What is fusion?
  - Give full form of LPG and CNG?
- Q.3 **Long answer type question:**
- Why does steam produce more severe burns on skin as compared to boiling water?
  - With the help of an activity show that air contains water vapour?
  - With the help of a neat labeled diagram, explain the separation of ammonium chloride from common salt also, name the method used from separation?
  - Write down the four characteristics of particle of matter?
  - Mention two ways to liquefy atmospheric gases?
- Q.4 **Draw a chart on genetically modified crops. Their advantages and disadvantages?**

### SSC

#### Geography : Ch.- 1 India Size & Location

- Q.1 **Puzzle / Quiz : Locate the names of States and Cities.**  
Mumbai, Dispur, Bengal, Imphal, Goa, Assam



**Q.2 Give answer:**

1. Why was India selected 82° E Longitude as the standard meridian?
2. What is the significance of India's location?
3. Name the seven states in seven sisters?
4. What are main features of political division of India?

**Ch – 2 (Political Science)**

**Democracy in the contemporary world:**

1. Project report on the countries having democratic and non democratic govt.

**Q.3 Fill in the blanks:**

- (a) Democratic process started in \_\_\_\_\_
- (b) Aung San Suu Kyi belonged to \_\_\_\_\_ country.
- (c) The \_\_\_\_\_ broke in 1991 and 15 independent countries emerged out of it.
- (d) \_\_\_\_\_ was the founder leader of socialist party of Chile.

**Q.4 Puzzle/Quiz**

1. When was first general election held in India before the independence?
2. Who was the last monarch of Nepal?
3. What is the unit of currency used by the officials of the World Bank?

**Ch – 1 (Economics)**

Give answer:-

1. What is modern farming method explain its drawbacks?
2. What is HYV seeds?
3. What is MNC?

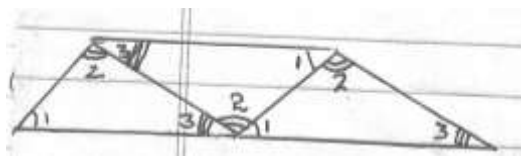
**Maths**

Ch.-1 (FA-1 Syllabus) Number System. Extra questions related to all exercises.

Ch.-2 (FA-2) Polynomial, Ch.-6 Lines & Angles

FA-2 Project → **Activity – 1** Individual → Angle Sum Property of a Triangle

**Activity – 2** Team work 1. Zero's of Polynomial 2. Remainder Theorem 3. Pair of Angles  
4. Parallel Lines & Transversal.



**Exercise 1-A (Number System)**

- Q.1 Write five rational numbers equivalent to  $\frac{3}{7}$
- Q.2 Find five rational numbers between  $\frac{1}{2}$  and  $\frac{5}{7}$
- Q.3 Insert nine rational numbers between 0 and 0.1.
- Q.4 Insert 100 rational numbers between  $\frac{5}{13}$  and  $\frac{11}{13}$

**Exercise 1-B**

- Q.1 What are irrational numbers? Give examples.
- Q.2 Represent  $\sqrt{6}$ ,  $\sqrt{7}$  and  $\sqrt{8}$  on the number line.
- Q.3 Which of the following statements are true :
  - (i) Every point on a number line represents a unique real number.
  - (ii) Irrational numbers cannot be represented by points on the real number line.
  - (iii) Every real number is either rational or irrational number.
  - (iv) Square roots of all positive integers are irrational.

**Exercise 1-C**

- Q.1 Evaluate  $2.\overline{6} + 0.\overline{9}$
- Q.2 Show that  $0.\overline{12} + 0.\overline{1} = 0.\overline{23}$
- Q.3 Find two irrational numbers between 0.1 and 0.12
- Q.4 Give one irrational numbers between 0.2101 and 0.2

### Exercise 1-D

- Q.1 Visualize 2.766 on the number line using successive magnification.  
Q.2 Visualize the representation of  $6.\overline{53}$  on the number line up to decimal places, that is, upto 6.5353.

## Physics

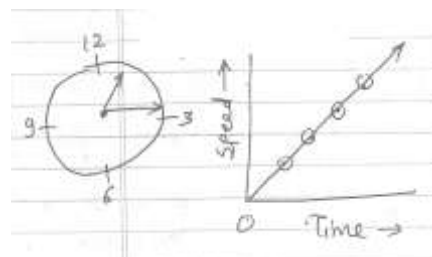
### FA-2 Project (Ch.- 8 Motion)

Activity 1 : Individual → Fan with uniform motor (Thermacol Model) with graph

Activity 2 : Team work formula based (Numerals)

$$1. \text{ Acceleration} = \frac{V}{T} \quad 2. V = u + at$$
$$3. v^2 - u^2 = \{a\} \quad 4. S = ut + \frac{1}{2} at^2$$

### Representation



1. An object travels 16m in 4sec and then another 16m in 2 sec. What is the average speed of the object?
2. A car accelerates uniformly from  $18\text{km h}^{-1}$  to  $36\text{km h}^{-1}$  in 5 sec. Calculate (i) the acceleration (ii) the distance covered by the car in that time.
3. A car starts off from rest with a uniform acceleration of  $0.5 \text{ ms}^{-2}$ . What will be its velocity when it has travelled a distance of 25m? how many second did it take to cover this distance?
4. A girl travels a distance of 10m towards South then she turns towards East and travels 12m in that direction. Calculate (i) the total distance traveled by the girl and (ii) displacement of the girl.
5. Calculate the time (*in h*) taken by a car traveling at a speed of  $10 \text{ ms}^{-1}$  to travel a distance of 72km.

## HINDI

पशु-पक्षियों से संबंधित अन्य रचनाएं ढूँढकर पढ़िए और एक फाइल तैयार कीजिए।

## Art & Craft

- Q.1 Draw & colour your self portrait and one painting on Topic "Nature".  
Q.2 Make at least one beautiful item with the help of paper Mache.

## Computer

- Q.1 Prepare power point slide on IPL – 7  
Q.2 Present new ideas in form of block diagram, how computer can help to remove corruption in A3 size chart paper.

**Monday, 30<sup>th</sup> June, 2014**  
**Timings**

→ **School re-opens after Summer break.**  
→ **07:50 a.m. to 01:30 p.m.**

*Office will remain open during Summer Vacation.*  
*Contact school office from : 08:00 a.m. to 12:00 Noon.*

**Dr. (Mrs.) Pooja Singh**  
Principal

### English

- Q.1 Explain different kinds of poetic devices with examples? At least two examples for each poetic device.
- Q.2 You are Ritu Kumari / Abhishek Sharma living in new Krishna Nagar, Delhi. There is no good bus service between it and the main city. Buses do not ply regularly also. They either come late, or are overcrowded or never come. Thousands of working women and men, school going children get late. Write an email to the Manager, Delhi Transport Corporation, New Delhi to solve the transport problem of New Krishna Nagar in minimum 120 words.
- Q.3 As a Head Girl / Head Boy of your school. Write a Speech, on the topic "Conservation of Natural Resources" on the occasion of Earth Day.
- Q.4 What work did the boys do and what for?
- Q.5 What makes Nuwla and Jacopo two gentlemen of Verona?
- Q.6 Plan your Summer Vacation (*in future tense*).
- Q.7 Describe the meeting between Frog and Nightingale.
- Q.8 How are the Frog and the Nightingale symbolical?
- Q.9 Describe the happiest day of your life (in 120 words)
- Q.10 Do your workbook exercise – Determiners.
- Q.11 Write a Report for the Annual Function celebrated in your school last year.

### HINDI

प्रस्तुत पदों की सबसे बड़ी विशेषता है गोपियों की 'वाग्विदग्धता'। आपने ऐसे और चरित्रों के बारे में पढ़ा या सुना होगा, जिन्होंने अने वाक्चातुर्य के आधार पर अपनी एक विशिष्ट पहचान बनाई। जैसे—बीरबल, तेनालीरामा, गोपाल भांड, मुल्ला नसरुद्दीन आदि। अपने किसी मनपसंद चरित्र के कुछ किस्से संकलित कर एक एलबम तैयार करें।

### Maths

#### (Chapter – 2)

- Q.1 If  $\alpha$  and  $\beta$  are the zeros of the quadratic polynomial  $f(x) = 6x^2 + x - 2$ , find the value of  $\frac{\alpha}{\beta} + \frac{\beta}{\alpha}$
- Q.2 If  $\alpha$  and  $\beta$  are the zeros of the quadratic polynomial  $f(x) = x^2 - x - 4$ , find the value of  $\frac{1}{\alpha} + \frac{1}{\beta} - \alpha\beta$
- Q.3 Find the zeros of the polynomial  $f(x) = x^3 - 5x^2 - 2x + 24$ , if it is given that the product of its two zeros is 12.
- Q.4 If two zeros of the polynomial  $f(x) = x^2 + 6x^3 - 26x^2 + 138x - 35$  are  $2 \pm \sqrt{3}$ , find other zeros.
- Q.5 What must be added to the polynomial  $f(x) = x^4 + 2x^2 - 2x^2 + x - 1$  so that the resulting polynomial is exactly divisible by  $x^2 + 2x - 3$ ?
- Q.6 **Divide :**
- (i)  $6x^5 - x^4 + 4x^3 - 5x^2 - x - 15$  by  $2x^2 - x + 3$
- (ii)  $x^5 - 4x^3 + x^2 + 3x + 1$  by  $x^3 - 3x + 1$
- (iii)  $30x^4 + 11x^3 - 82x^2 - 12x + 48$  by  $3x^2 + 2x - 4$
- (iv)  $9x^4 - 4x^2 + 4$  by  $3x^2 + x - 1$
- (v)  $8x^4 + 14x^3 - 2x^3 + 7x - 8$  by  $4x^2 + 3x - 2$

#### (Chapter – 3)

- Q.1 Draw the graphs of the following equations :  $2x - y - 2 = 0$ ;  $4x + 3y - 24 = 0$   
Obtain the vertices of the triangles so obtained. Also, determine its area.
- Q.2 Draw the graphs of the following equations on the same graph paper,  $2x + y = 2$ ;  $2x + y = 6$ ,  
Find the coordinates of the vertices of the trapezium formed by these lines. Also, find the area of the trapezium so formed.
- Q.3 Solve by using substitution method :
- (i)  $3x - 5y = -1$                       (ii)  $x + 2y = -1$   
     $x - y = -1$                                $2x - 3y = 12$

$$\begin{array}{ll} \text{(iii)} & 2x + 3y = 9 \\ & 3x + 4y = 5 \end{array} \qquad \begin{array}{ll} \text{(iv)} & 8x + 5y = 9 \\ & 3x + 2y = 4 \end{array}$$

- Q.4 Solve by using Elimination and Cross-multiplication method :
- (i)  $2x + y - 35 = 0$   
 $3x + 4y - 65 = 0$
- Q.5 Ten years ago, a father was twelve times as old as his son and ten years hence, he will be twice as old as his son. Find their present age.
- Q.6 A two-digit number is 4 times the sum of its digits. If 18 is added to the number, the digits are reversed. Find the numbers.

### Social Science

- 1. Complete the projects of Lab-Manual**  
Projects of Ch.-1 & 2 of Civics and Geography.  
Projects of Ch.1 & 2 of Economics  
Projects of Ch. 2 & 3 of History
2. Make a chart on any one topic of the following :
  - (a) Power Sharing wings of Government in India.
  - (b) Constitutional Rights of Citizens in India.
  - (c) Nationalism in India (Pictures & Slogans)
  - (d) Distribution Chart of various resources in India.
  - (e) Sectors of Indian Economy
3. Read chapter 3 of History 'Nationalism in India.'

### Science

#### Q.1 Balance the following reactions :

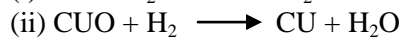
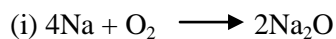
- (a)  $\text{BaCl}_2 + \text{Al}_2(\text{SO}_4)_3 \rightarrow \text{BaSO}_4 + \text{AlCl}_3$
- (b)  $\text{Fe}_2\text{O}_3 + \text{Al} \rightarrow \text{Al}_2\text{O}_3 + \text{Fe}$
- (c)  $\text{Pb}(\text{NO}_3)_2 \xrightarrow{\text{heat}} \text{PbO} + \text{NO}_2 + \text{O}_2$
- (d)  $\text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2 \longrightarrow \text{CO}_2 + \text{H}_2\text{O} + \text{heat}$

#### Q.2 Short answer type questions :

- (a) Give one example where redox reaction takes place without involving oxygen.
- (b) What is the significance of symbol 'aq', 'e', 's' and 'g' in a chemical equation?
- (c) Give one reaction (example) for each :
  1. Thermal Decomposition
  2. Photochemical Decomposition
  3. Electrolysis Reaction
- (d) Why is respiration considered as exothermic reaction?
- (e) Why do you apply paint on iron articles?
- (f) Give an example (reaction) of endothermic reaction.
- (g) Explain Law of Conservation of Mass.
- (h) Give two ways to prevent Rancidity.
- (i) What is meant by a Skeletal Equation?
- (j) What is a Balanced Reaction?

**Q.3 Long answer type questions :**

- (a) What happens when iron nails are kept into copper sulphate solution? Write the balanced chemical equation for the reaction?
- (b) Explain with example and diagram an electrolytic decomposition reaction.
- (c) Write a small note on redox reaction and corrosion.
- (d) Which is the difference between combination reaction and decomposition reaction.
- (e) Identify the substances that are oxidized and substances that are reduced in following reactions.



- Q.4 Draw a chart of digestive system in human beings and learn the role of all the enzymes involved in digestion.

**Art 'N' Craft**

- 1. Draw and colour a beautiful painting on Topic "Rangilo Rajasthan."
- 2. Make a design on a 'T' Shirt with the help of Fabric / Acrylic or block painting.

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