

(English)

1. Write two articles on current issues and two letters to editor on any current issue.
2. Read a book (other than your syllabus prescribed) and summarize it in your own words.
3. Find five new words daily and write their meaning and pronunciation.
4. Cut and paste a news daily and find out parts of speech used in the news (noun, pronoun, adjectives, connectors, interjection, verb and adverb).

(Hindi)

आवश्यक निर्देश :

गृहकार्य के लिए अलग से अभ्यास पुस्तिका का प्रयोग करें।

सम्पूर्ण कार्य शुद्ध व सुन्दर लिखाई में करें।

आवश्यकतानुसार चित्र, कलर व अन्य सहायक सामग्री का प्रयोग करें।

चित्र, समाचार पत्र कटिंग इत्यादि के लिए 'स्क़्रैप पुस्तिका' का प्रयोग करें।

गृहकार्य का मूल्यांकन अंक, ग्रेड इत्यादि के आधार पर किया जाएगा।

लिखित कार्य –

1. जिस कवि या लेखक को आप सर्वाधिक पसंद करते हैं, उससे संबंधित प्रोजेक्ट तैयार करें।
2. 16 से 30 जून के हिन्दी समाचार पत्र से कोई तीन मुख्य समाचार कटिंग करके प्रतिदिन अपनी स्क़्रैप पुस्तिका में चिपकाएँ।
3. योग के बारे में आप क्या जानते हैं ? अनुलोम-विलोम, प्राणायाम, कपाल-भाती के कोई पाँच-पाँच लाभ लिखिए व चित्र भी चिपकाएँ।
4. 'प्राकृतिक आपदा प्रबंधन' हेतु आप क्या परियोजना तैयार कर रहे हैं ? इसकी विस्तृत रिपोर्ट तैयार करें।
5. आपके जीवन का क्या उद्देश्य है ? उसे प्राप्त करने के लिए आप क्या-क्या प्रयास कर रहे हैं ? 200 से 250 शब्दों में निबंध लिखिए।

याद करने का कार्य –

6. कृतिका पाठ – 1, (प्रश्नोत्तर सहित)
- क्षितिज (पद्य) – पाठ 1, 2, 3 (प्रश्नोत्तर सहित)
- क्षितिज (गद्य) पाठ – 10, 11, 12 (प्रश्नोत्तर सहित)

(Science)

PHYSICS

1. Learn Ch. 12, 13 (Electricity & magnetic effect of current)
2. Do the given assignment.
3. * Draw a well labelled diagram of electric domestic circuit.
* Check whether your steps are effective or not.
* Find out the no. of units consumed in one week at your home.

BIOLOGY

1. Draw diagrams (any one) on the chart
* Digestive System * Respiratory System * Human Heart

* Excretory System

* Human Brain

2. Write at least 20 amazing facts related to the biological world.
3. Differentiate between - (in fair notebook)
 - i) Artery and Vein
 - ii) Photosynthesis and Respiration
 - iii) Aerobic and Anaerobic respiration
 - iv) Cerebrum and Cerebellum
 - v) Nastic and Tropic Movement
4. Revise chapter – 6, 7

CHEMISTRY

1. Prepare a chart / project of different chemical reactions in your surroundings. Write their reactants and products also.
2. How the food get rancid, prepare a report ?
3. Observe from your surrounding, when metals get corroded which colour appears on which metal. Make a list.
4. Find out the name and formula of acid / base present in our eatables.
5. Revise Ch. 1 and 2.
6. Write and learn the chemical formulae for the following :
 - a) Common salt
 - b) Bleaching powder
 - c) Washing soda
 - d) Baking powder
 - e) Copper sulphate
 - f) Aluminium sulphate
 - g) Barium Chloride
 - h) Zinc Carbonate
 - i) Quick lime
 - j) Slaked lime
 - k) Lead nitrate
 - m) Aluminium Chloride
7. Prepare notes on extraction of metal of different reactivity.
8. Differentiate between –
 - a) Metals and Non-metals (on the basis of Chemical reactivity)
 - b) Calcinations and Roasting
 - c) Ores and Minerals

(S. St)

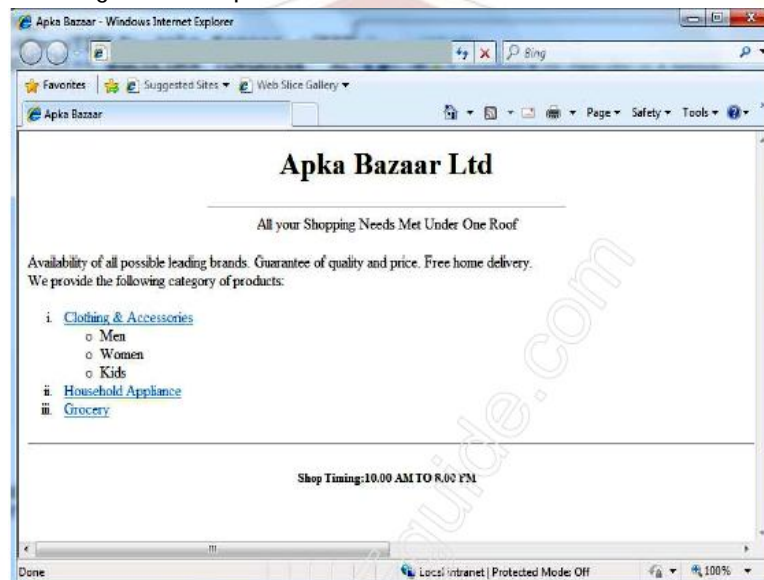
1. Draw map of India on chart which shows rivers and dams in India (Geo Ch. - 3, Page No. 28)
2. Draw map of India on chart which shows wildlife sancturies and national parks of India.
3. Prepare a project file on Disaster management which include following points :
 - a) Index
 - b) About Disaster and its types with pictures
 - c) Any one Natural Disaster
 - Its reasons
 - Steps to minimize it and prevention.
 - Newspaper and magazine cuttings related to this disaster
 - d) Disaster due to human activity
 - Its reasons
 - How can we prevent it ?
 - Paste pictures related to it

(Computer)

- Learn Chapter 1, 2, 3, 4 & 5 Complete.
- Pre Read Chapter-7
- Make a Project on **Databases-OpenOffice.org BASE** with their description and with tables structure as given below:- (Minimum 10 pages)

Roll No.	Name	Class	Marks	Date Of Birth
1	Abhishek	10	549	01/08/95
2	Zubin	10	552	12/05/94
3	Simran	10	498	13/06/94
4	Salim	10	493	30/01/95

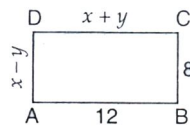
- Make a Project of the following HTML Output:-

**Special Notes :**

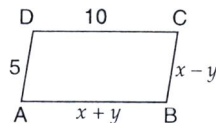
- (a) Title of the Webpage is APKA BAZAAR.
- (b) Background color of the page is TURQOISE and Font Style is COMIC SANS MS.
- (c) The Font Style for the subtitle "All your..... roof" of TAHOMA in Maroon color.
- (d) Link color should be BLUE and Visited Link color should be GREEN.
- (e) The pages are linked as follows:
 - Clothing & Accessories as clothes.htm
 - Household Appliances as house.htm
 - Grocery as grocery.htm
- (f) Use Ordered and Unordered List wherever required.
- (g) The Horizontal Rule at the two places is a shaded line of size 5.
- (h) The bottom message is in the smallest heading level.

19. If one of the zeroes of the quadratic polynomial $(\alpha - 1)x^2 + \alpha x + 1$ is -3 , then the value of α is
- a) $\frac{-2}{3}$ b) $\frac{2}{3}$ c) $\frac{4}{3}$ d) $\frac{3}{4}$
20. If α and β are the zero of the polynomial $f(x) = px^2 - 2x + 3p$ and $\alpha + \beta = \alpha \beta$, then the value of p is
- a) $\frac{-2}{3}$ b) $\frac{2}{3}$ c) $\frac{1}{3}$ d) $\frac{-1}{3}$
21. If α, β are the zeroes of the polynomial $6y^2 - 2 + y$, then the value of $\frac{\alpha}{\beta} + \frac{\beta}{\alpha}$ is
- a) $\frac{-25}{36}$ b) $\frac{25}{12}$ c) $\frac{-25}{12}$ d) $\frac{25}{36}$
22. If α and β are the zeroes of the quadratic polynomial $x^2 - 5x + 4$ then $\frac{1}{\alpha} + \frac{1}{\beta} - 2\alpha\beta$ is equal to
- a) $\frac{-37}{4}$ b) $\frac{37}{4}$ c) $\frac{-27}{4}$ d) $\frac{27}{4}$
23. If α and β are the zeroes of the polynomial $x^2 - 2 + x$ then $\left(\frac{1}{\alpha} - \frac{1}{\beta}\right)^2$ is
- a) $\frac{-9}{4}$ b) $\frac{7}{4}$ c) $\frac{9}{4}$ d) $\frac{-7}{4}$
24. If α and β are the zeroes of the quadratic polynomial $kx^2 + 4x + 4$ and $(\alpha + \beta)^2 - 2\alpha\beta = 24$, then
- a) $k = 1, \frac{-2}{3}$ b) $k = -1, \frac{2}{3}$ c) $k = \frac{1}{3}, 1$ d) $k = -\frac{1}{3}, \frac{2}{3}$

25. In the figure given alongside. ABCD is a rectangle. Find the value of x and y .



26. In the figure given alongside. ABCD is a rectangle. Find the value of x and y .



- a) 37 b) 35 c) 57 d) 45
27. The sum of a two-digit number and the number formed by interchanging the digit is 132. If 12 is added to the number, the new number becomes 5 times the sum of the digits. Find the number.
28. The ten's digit of a two-digit number is twice the digit in unit's place. If the ten's digit is made half and its units digit is doubled then the new number obtained is less than the original number by 27. Find the number.
29. Two kg of sugar and half kg of tea cost ₹ 275 and three kg of sugar and one kg of tea cost ₹ 500. Find the cost of 1 kg of tea and 2kg of sugar.
30. Find the angle of a cyclic quadrilateral ABCD if $\angle A = 2x^\circ, \angle B = (6y + 10)^\circ, \angle C = (2x + y)^\circ$ and $\angle D = (x + 10)^\circ$.

31. The perimeter of a rectangular plot is 32m. If the length is increased by 2metres and the breadth is decreased by 1 metre, the area of the plot remains the same. Find the dimensions of the plot.
32. A man travels 600km, partly by train and partly by car. If he covers 400 km by trains and the rest by car, it takes him 6 hours 30 minutes. But, if he travels 200 km by train and the rest by car, he takes half an hour longer. Find the speed of the train and that of the car.
33. A train covered a certain distance at a uniform speed. If the train would have been 6km/ h slower, it would have taken 12 hours more than the scheduled time. And if the train were 6km/h faster, it would have taken 8 hours less than the scheduled time. Find the distance covered by the train.
34. A part of monthly expenses of a family is constant and the remaining varies with the price. When the cost of rice is ₹ 250 per quintal, the monthly expenditure of the family is ₹ 1000 and when the cost of rice is ₹ 240 per quintal, the monthly expenditure is ₹ 980. Find the monthly expenditure of the family when the cost of rice is ₹ 300 per quintal.
35. In a coeducational school there are 2800 students. If in a year, the number of boys were to increase by 5% and that of the girls by 10%, the school would have 3,000 students. Find the original number of boys and girls studying in the school.
36. 10 women and 20 girls can finish a piece of work in 2 days, while 6 women and 4 girls can finish it in 5 days. Find the time taken by 1 woman alone and that by 1 girl alone to finish the work.
37. A and B each have a collection of stamps. If A gives 32 stamps to B then B will have twice the number of stamps left with A. But, if B gives 18 stamps to A then A will have thrice as many stamps left with B. How many stamps did each have?
38. Lab activity related to Ch.-2, Ch.- 4, 5, 6.

R.E.D. SCHOOL, CHARKHI (BHIWANI)

Subject - Mathematics

Holiday Homework Assignment

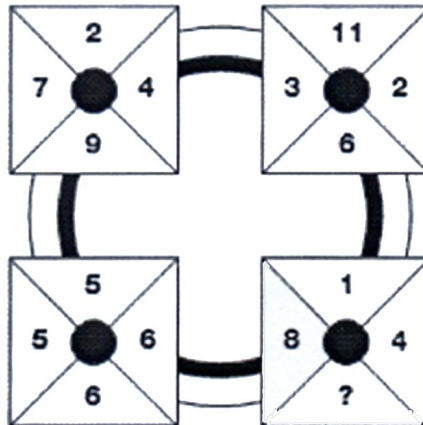
Standard - 10th

Name :

Section :

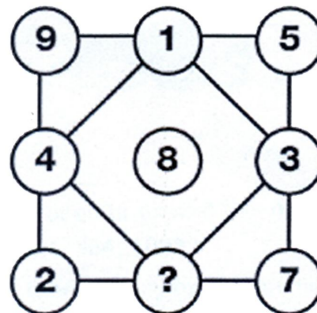
Roll No.

1. Which number replaces the questions mark ?



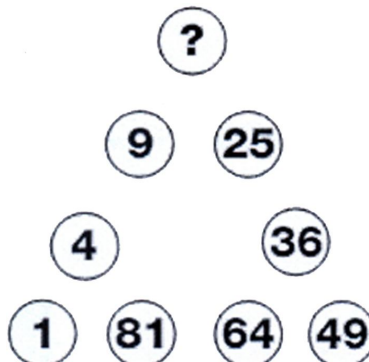
- a) 8 b) 14 c) 9 d) 10

2. Which letter replaces the question mark ?



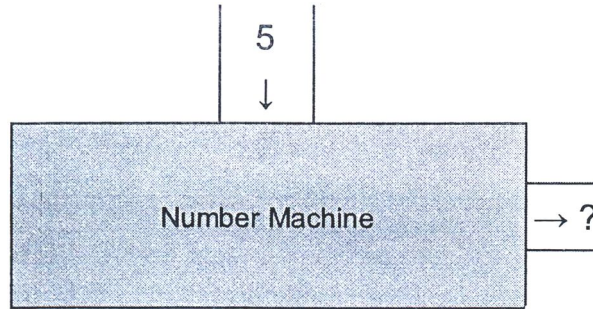
- a) 8 b) 6 c) 9 d) 10

3. Which number replaces the question mark ?

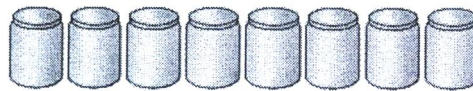


- a) 121 b) 100 c) 169 d) 16

4. When a number is put into the machine below, a different number comes out. If 2 goes in, 2 comes out. If 3 goes in, 7 comes out. If 4 goes in, 14 comes out. If 5 goes in, what number should come out?

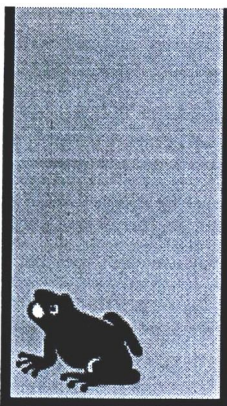


- a) 23 b) 57 c) 34 d) 11
5. There are equal number of coins in each jar. If there are 24 coins in 4 jars, how many coins are there in all the 8 jars ?



- a) 30 b) 42 c) 48 d) 60
6. Which rule can be used to explain this number pattern ?
1, 4, 13, 40, 121, 364, 1093,
- a) Multiply by 1, then multiply by 2, then multiply by 3, and so on
b) Add 0, then add 1, then add 2, and so on
c) Multiply by 3 and subtract
d) Multiply by 3 and add 1

7. Fill in the blanks



A frog is fallen into a ditch which is 14 meter deep. Each day frog climbs 2 meter and then fall back by 1 meter. Frog will reach the top after days.

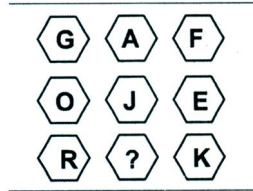
8. If in a certain language, REMOTE is coded as ROTEME, which word would be coded as PNIICC ?
a) NPIICC b) IPCCIN c) PICNIC d) PICNCI
9. Arrange the following words in a meaningful sequence.
1. CONSULTATION 2. ILLNESS 3. DOCTOR 4. TREATMENT 5. RECOVERY
- a) 2, 3, 1, 4, 5 b) 2, 3, 4, 1, 5 c) 4, 3, 1, 2, 5 d) 5, 1, 4, 3, 2

10. Letters of the word have been jumbled up. Each letter has been numbered and the word is followed by four options. Choose the options which gives the correct order of the letters to form a meaningful words?

T I R B H G
1 2 3 4 5 6

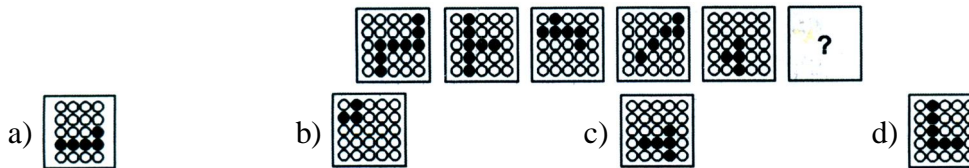
- a) 1, 3, 2, 4, 6, 5 b) 3, 2, 6, 5, 4, 1 c) 4, 3, 2, 6, 5, 2 d) 4, 5, 2, 3, 6, 1

11. Which letter replaces the question mark ?

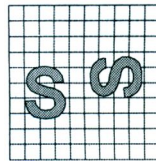


- a) M b) P c) G d) S

12. Which of the following options can replace the last grid ?

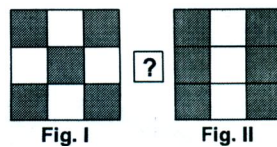


13. Two different positions of a letter are given. Which of the following options describe its transformation?



- a) Reflection b) Rotation c) Translation d) None of these

14. Which symbol replaces the question mark if we compare the shaded part of Fig. 1 and Fig. II ?



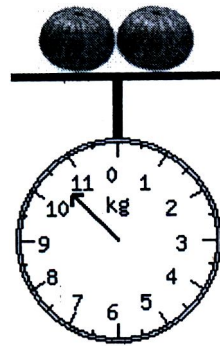
- a) < b) > c) = d) Can't say

15. A teacher asked 3 students of a basketball team to attempt 20 free thorws eash during practice. The given able shows the number of free throws each player made in 20 attempts. Based on the information in the table which is the most reasonable prediction of the average number of free throws by X, Y, Z that they will make out of 60 attempts ?

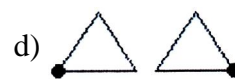
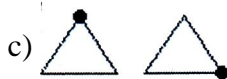
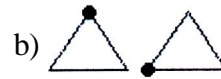
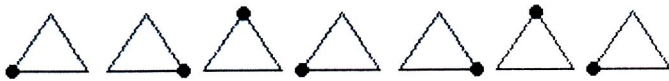
<i>Player</i>	<i>Number of Free throws made</i>
X	12
Y	18
Z	15

- a) 12 b) 60 c) 15 d) 45

16. The day after tomorrow is my brother's birthday. On the same-day next week is the festival of Holi. If today is Saturday, what will the day before Holi be?
- a) Wednesday b) Sunday c) Thursday d) Friday
17. Which of the following is different from others ?
- a) 10 hundreds b) 100 tens c) 1000 ones d) 10 thousands
18. If the weight of the two pumpkins is the same, what is the weight of one, pumpkin (write in mixed fraction) ?



19. What are the next two shapes ?



20. What will be the shape at 14th position ?





R.E.D GROUP OF
SCHOOLS

R.E.D. SCHOOL, CHARKHI

MULTI-DISCIPLINARY PROJECT

GUIDELINES OF THE PROJECT:-

- ❖ The project is the part of Assessment.
- ❖ It should be handwritten except the Computer Science Project.
- ❖ The work should be attractive with innovative ideas.
- ❖ The project should be done on coloured A4 size paper.
- ❖ There should be 1cm gap on each side of the paper.
- ❖ The project should be submitted in stick file in the following format:-
 - a. Cover page
 - b. Acknowledgement
 - c. Who am I?
 - d. Contents:-
 - I. English
 - II. Hindi
 - III. Science
 - IV. Social Science
 - V. Maths
 - VI. Computer
 - e. Conclusion (The conclusion should include the experience of students what they have learned through this project).
 - f. Bibliography
- ❖ The time period for the project will be 1 month.
- ❖ The students will do the project meticulously in group.

FORMATIVE ASSESSMENT-3

CLASS-10

TOPIC-Energy Management

<u>SUBJECT</u>	<u>THEME</u>	<u>GUIDELINES</u>
ENGLISH	Make a poster on one of the followings aspects a) Wind b) Water c) Wood d) Petroleum e) Solar Energy	- Make it attractive with pictorial illustrations -Written content should consist: 100 words -Phrases/Idiomatic expressions -Slogans - Presentation should be eye-catching
HINDI	1. Poem 2. Slogan writing	1. Write poem on any one : air, water or earth. 2.Prepare Slogan on "Save Energy"
SCIENCE	Explain conventional (Fossil Fuels) and non-conventional resources of energy (Solar Energy, Geothermal Energy, Biomass energy, Nuclear Energy etc.)	- Prepare a report in 3-4 pages. - Take pictures from newspaper, magazines or Internet. - Can makes hand drawings.
SOCIAL SCIENCE	Project	Prepare a project on the need for non-conventional sources of energy and their importance. -Prepare project -Collect information from newspaper, internet, News clippings.

MATHEMATICS	Solve the problem	<p>1. 17 trees are used to make one tone of paper. An 80 gsm A4 sheet, weighs 10 gm. So, 0.00017 trees are needed to make a sheet of paper. If you waste 20 A4 sheets in a month and there are 500 students of your age group doing the same then how many trees will be cut? Calculate how many trees need to be planted again to maintain the balance? If a tree on an average takes 20 years to grow then approximately how many years of the efforts of the mother Earth will be wasted.</p> <p>2. 1 ream (500 sheets) uses 6% of a tree. Estimate the use of reams of paper in an office (may be your parents or your relative or a neighbour)</p>
COMPUTER SCIENCE	USE OF MS-POWER POINT	<ul style="list-style-type: none">• Prepare a Power Point Presentation on “Conservation of Energy Resources”<ul style="list-style-type: none">i) Insert pictures and sound clipsii) Depict his life and contributionsiii) Animate text and objectsiv) Add background colour and shadingv) Add header and footervi) Set and rehearse timings for slides.