

Subject:- **English**

1. Learn by heart all the question-answers of the lessons taught.
2. Make a tense chart on a chart paper and also three forms of verbs –(30 words)
3. Article writing-
4. Viewing TV : Useful or harmful
5. Deforestation
6. Environmental Pollution
7. How you spent your summer vacation

Subject:- **Hindi**

- [1] - उन पक्षियों के बारे में पता करके एक रिपोर्ट तैयार कीजिए जिनकी संख्या कम होती जा रही है , इसके क्या कारण हैं और हम इनका संरक्षण किस प्रकार कर सकते हैं ?
- [2] - सरदी , वर्षा , गरमी और वसंत ऋतु पर दो-दो कविता कॉपी में लिखिए तथा याद करिए।
- [3] - निम्नलिखित विषयों पर संबंधित पुस्तकें पढ़िए तथा 80 से 100 शब्दों में अनुच्छेद लिखिए --
- क- स्वस्थ जीवन के लिए व्यायाम  
ख- विकास का आधार - अनुशासन  
ग- विज्ञापन और हमारा जीवन  
घ- प्लास्टिक की दुनिया  
ङ - खेलों का महत्त्व  
च - विज्ञान और पर्यावरण
- [4] - अनुप्रास , रूपक , उत्प्रेक्षा , उपमा , यमक , श्लेष , मानवीकरण तथा अतिशयोक्ति अलंकार की परिभाषा उदाहरण सहित लिखिए तथा याद करिए ।

Subject:- **Sanskrit**

- 1-एकतः पञ्चाशत् (1 -50) पर्यन्तम् संख्यावाची शब्दान् संस्कृतभाषायां लिखित्वा स्मरत ।
- 2-शब्दरूपाणि – राम , लता, फल नदी च शब्दानां रूपाणि लिखित्वा स्मरत । भवत् , गच्छत् च धातवोः रूपाणि पुल्लि,गे स्त्रीलिंगे च लिखित्वा स्मरत ।
- 3-धातुं प्रत्ययं च पृथक् कृत्वा लिखत -उत्थाय , गत्वा, समाप्य, कृत्वा, आगम्य, खेत्वा, प्राप्य, परित्यज्य, प्रहस्य, नत्वा, निरीक्ष्य , आगत्य , पूजयित्वा , नत्वा , पीत्वा , हसित्वा , गच्छन् , हसन्
- 4- उपसर्गं पृथक् कृत्वा लिखत-  
आदेशः, अन्वयः, अभ्यागतः , उपवनं, अत्याचारः , अध्ययने, उद्देशः , आपतति,निर्जनं,अनुभवः,

Subject:- **Mathematics**

1. Which of the following triplets are Pythagorean?  
(10, 24, 26), (2, 3, 4)
2. Find the square root of the following by prime factorization:  
(i) 7744 (ii) 24336
3. By what smallest number must 180 be multiplied so that it becomes a perfect square? Also, find the square root of the number so obtained.
4. Find the smallest number by which 3645 must be divided so that it becomes a perfect square. Also find the square root of the resulting number.
5. The area of a square field is 5184 m<sup>2</sup>. A rectangular field, whose length is twice its breadth, has its perimeter equal to the perimeter of square field. Find the area of the rectangular field.
6. Find the square root of the following numbers by long division method:  
(i) 6561 (ii) 57121
7. Find the least number which must be subtracted from 7581 to obtain a perfect square. Find this perfect square and its square root.
8. What least number must be added to 5607 to make the sum a perfect square? Find the perfect square and its square root.
9. Find the greatest number of six digits which is a perfect square. Find the square root of this number.
10. Find the least number of six digits which is a perfect square. Find the square root of this number.
11. Find square root of 2.5 correct to two decimal places.
12. Find the smallest number by which 2560 must be multiplied so that product is a perfect cube.
13. Find the smallest number by which 8788 be divided so that product is a perfect cube.
14. Find the cube root of the following by prime factorization:  
(i) 1728 (ii) 21925
15. Find the cube root of the following integers:  
(i) – 5832 (ii) – 1728
16. Find the volume of a cube, one face of which has an area of 81 cm<sup>2</sup>.
17. Find the cube root of following numbers through estimation:  
(i) 10648 (ii) 15625 (iii) 91125
18. Simplify: (i)  $\frac{\sqrt{0.0441}}{\sqrt{0.000441}}$  (ii)  $\sqrt{49} + \sqrt{0.49} + \sqrt{0.0049}$
19. Evaluate:  $\sqrt[3]{\frac{0.027}{0.008}} \div \sqrt{\frac{0.09}{0.04}} - 1$
20. The total cost of 15 newspapers is Rs 22.50. Find the cost of 25 newspapers.

21. A contractor with a work force of 420 men can complete a work of construction of a building in 9 months. Due to request by the owners he was asked to complete the job in 7 months. How many extra men he must employ to complete the job?
22. A shopkeeper has enough money to buy 40 books, each costing Rs 125. How many books he can buy if he gets a discount of Rs 25 on each book?
23. A garrison of 120 men has provision for 30 days. At the end of 5 days, 5 more men joined them. How many days can they sustain on the remaining provision?
24. How long will a train 120 m long take to clear a platform 130 m long, if its speed is 50 km/ hr?
25. A train 210 m long took 12 seconds to pass a 90 m long tunnel. Find the speed of train.
26. A train 150 m long is running at 72 km/hr. It crosses a bridge in 13 seconds. Find the length of bridge.

**Subject:- Physics**

- 1-Define force. How many types of forces are there? Define each with suitable examples.
- 2-What are balanced and unbalanced forces? Make some suitable figures to show that unbalanced forces combine by addition and unbalanced forces combine by subtraction.
- 3-Discuss that force has both magnitude and direction, with suitable examples.
- 4-Define thrust and pressure. Also give the relation between thrust and pressure.
- 5-Give reason why
  - (i)Rear wheels of buses and trucks are usually double.
  - (ii)High rise buildings and dams have a wide base.
  - (iii)It is easier to cut with a sharp knife than with a blunt knife.
  - (iv)Nails, pins and spikes have pointed ends.
- 6-Define liquid pressure. List the properties of liquid pressure.
- 7-Define atmospheric pressure. Discuss the importance of atmospheric pressure.
- 8-Distinguish between:
  - (i) Contact and non-contact forces
  - (ii) balanced and unbalanced forces

**Subject:- Chemistry**

1. Make a report on the electricity consumption in your house. List the factors or the steps that can be taken to reduce consumption of electricity.
2. Keeping in mind their availability in nature, explain why should coal and petroleum be used judiciously ? Also, mention the alternative sources of energy.
3. How coal and petroleum are formed in nature? Explain.
4. Write important uses of coal, coal tar, natural gas and petroleum fractions.

**Subject:- Biology**

1. What is "Microbiology"?
2. What are the types of microorganisms?
3. Why viruses are unique?
4. What are extremophiles?
5. What are hyperthermophiles?
6. How do microorganisms are important in our lives?
7. How microbial population help human population?
8. Which bacteria helps in the formation of curd?
9. What is "Fermentation"?What is its use in daily life?
10. What is Bioaugmentation?
11. What are antibiotics?
12. What is immunity?
13. What are vaccines?
14. What are communicable diseases?
15. What are probiotics?

**Subject:- Social Science**

1. Learn and write the answer of given questions.(30 questions)
2. PROJECT WORK--(File work)
3. Draw -Water cycle
4. Prepare PPT- (lesson1,2,and 16)
5. watch various informative T V program like discovery,national geography and animal programme.
6. make PPT on anyfamily celebration or the place visited during vacationfamily celebration or the place visited during vacation.
7. d during vacation.