

St. John's High School

HOLIDAY HOMEWORK (CLASS VIII)

ENGLISH

- ❖ Read till page 100 of the Three Musketeers and pictorially present the incident you liked the most till page 100 of the book.

HINDI

- ❖ 80 से 100 शब्दों में अनुच्छेद लिखो।
'यदि फूल नहीं बो सकते, तो काँटे भी मत बोओ'
- ❖ अपने मित्र को एक पत्र लिखकर जिसमें सिनेमा देखने के दुर्व्यसन से बचने के लिए चेतावनी दी गई हो।

SOCIAL STUDIES

- ❖ Make a collage of few recent natural disasters (two sheets). Paste a map of India showing various disaster zones. Also mark the earthquake vulnerable areas in it (one page). Write briefly on mitigation strategies for an earthquake. Also write do's and don'ts (2-3 pages).

SCIENCE

- ❖ Prepare index cards for any four metals and four non-metals. The card should have the information like name of metal/non-metal, its physical properties, chemical properties, location of deposits in India and its uses.
- ❖ What role does friction play in the sport of your choice? Collect two pictures of that sport in action where friction is either supporting it or opposing it.
- ❖ Find out how the soles of shoes are different for various sports.
- ❖ Make a list of various uses of papers. Observe currency notes carefully. Do you find any difference between a currency paper and paper of your notebook? Find out and write where a currency paper is made.
- ❖ Work to be done on loose A4 sized sheets.

To be written in the Science Notebooks

1. What are the harmful effects of using fertilizers in excess?
2. What precautions should be taken during the spraying of weedicides?
3. Why is irrigation important for plants?
4. Write a short note on the following:-
 - (a) Sprinkler System
 - (b) Drip System
5. How does a vaccine work?
6. How do carriers spread disease causing microbes?
7. What is pasteurization?
8. Draw and write a short note on nitrogen cycle in nature.
9. What is the nature of a non-metal oxide? How can you test?
10. Why is phosphorus stored in water and sodium in kerosene?
11. Draw the reactivity series of metals and state its importance.
12. Learn the atomic number names symbols, electronic configuration and valencies of just 20 elements.
13. How is coal and petroleum formed in nature? Explain.
14. Name the various components of coal and petroleum. State their uses.
15. What is the role of PCRA in India?
16. How do porters carry heavy luggage on their heads and why?
17. It is not easier to walk on sand or snow with pointed heels. Why?
18. Give some examples of atmospheric pressure in daily life.
19. Prove that liquids exert equal pressure at the same depth. Explain and draw a diagram.
20. Name the different types of forces and explain each of them.

PUNJABI

- ❖ ਪਿਆਰੇ ਬੱਚਿਓ 'ਜੰਕ ਫੂਡ ਨਾਲ ਯਾਰੀ, ਪਏਗੀ ਤੁਹਾਨੂੰ ਭਾਰੀ'
ਜੰਕ ਫੂਡ ਪ੍ਰਤੀ ਝੁਕਾਅ ਘੱਟ ਕਰਨ ਲਈ ਅਸੀਂ ਉਸਦੀ ਥਾਂ ਕਿਹੜਾ ਸਵਾਦਿਸ਼ਟ ਅਤੇ ਪੌਸ਼ਟਿਕ ਆਹਾਰ ਖਾ ਸਕਦੇ ਹਾਂ। ਉਸਨੂੰ ਦਰਸਾਉਂਦਾ ਹੋਇਆ ਇੱਕ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ (2-3 A4 sheets ਦੀ ਵਰਤੋਂ ਕੀਤੀ ਜਾਵੇ)

- ❖ ਬੋਲਣ ਕਲਾ (Speaking Skill)

ਵਿਸ਼ਾ (Topic):

1. ਸੰਗਤ ਦੀ ਰੰਗਤ
2. ਪਾਣੀ ਬਚਾਓ, ਜੀਵਨ ਬਚਾਓ

ਉੱਪਰ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਵਿਚੋਂ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਨੂੰ ਬੋਲਣ ਕਲਾ (Speaking Skill) ਲਈ ਤਿਆਰ ਕਰੋ (ਸਮਾਂ 2 ਮਿੰਟ)। ਤਿਆਰ ਕੀਤੇ ਵਿਸ਼ੇ ਨੂੰ A4 ਸ਼ੀਟ ਤੇ ਸੁੰਦਰ ਲਿਖਾਈ ਵਿੱਚ ਲਿਖੋ।

MATHEMATICS

- ❖ 1. The product of two rational numbers is -9 . If one of the numbers is -12 . Find other.
2. Divide the sum of with difference of $\frac{13}{5}$ and $\frac{-12}{7}$ with difference of $\frac{2}{3}$ and $\frac{5}{4}$.
3. Find ten rational numbers between $\frac{-3}{4}$ and $\frac{1}{-2}$
4. Two numbers are in the ratio $8 : 3$. If sum of the numbers is 143 , find numbers.
5. The sum of digits of two digit number is 12 . If the new number is formed by reversing the digits is greater than the original number by 54 . Find the original number.
6. The width of rectangle is two-third its length. If the perimeter is $180m$. Find dimensions of rectangle.
7. If $3m = 5m - \frac{8}{5}$, find m ?
8. There are 900 creatures in a zoo.
- | | |
|--------------------|-----|
| Beast Animals | 150 |
| Other Land Animals | 400 |
| Birds | 175 |
| Water Animals | 125 |
| Reptiles | 50 |
- Represent above data by Pie Chart.
9. Given below is the result of annual exam of a class, showing the percentage of students of each category.
- | | | | |
|----------------|-----|---------------|-----|
| Ist Division | 25% | IInd Division | 45% |
| IIIrd Division | 20% | Failed | 10% |
- Represent above data by pie chart.
10. A bag contains 4 white and 5 blue balls. They are mixed thoroughly and one ball is drawn at random. What is the probability of getting:-
- (a) a white ball
 - (b) a blue ball

11. Find x:
$$\left(\frac{5}{3}\right)^{-4} \times \left(\frac{5}{3}\right)^{-5} = \left(\frac{5}{3}\right)^{3x}$$
12. Find x $\left(\frac{4}{9}\right)^4 \times \left(\frac{4}{9}\right)^{-7} = \left(\frac{4}{9}\right)^{2x-1}$
13. If $5^{2x+1} \div 25 = 125$. Find value of x.
14. Express in usual form:
(a) 2×10^{-5} (b) 6.32×10^{-4}
15. Express in standard form:
(a) 6020000000000000 (b) 0.000000837
16. Simplify: $(3^{-1} + 6^{-1}) \div \left(\frac{3}{4}\right)^{-1}$
17. By what number should $(-6)^{-1}$ be multiplied so that product becomes 9^{-1} ?

FRENCH

- ❖ Make a collage of French festivals.

LIBRARY

- ❖ Designing of a magazine.