

# St. John's High School

## HOLIDAY HOMEWORK (CLASS VII)

### ENGLISH

- ❖ Design and colour a book cover of the book 'TREASURE ISLAND' in your notebook. The cover should not be the same as the original book cover.

### HINDI

- ❖ सुन्दर और स्पष्ट शब्दों में 80 से 100 शब्दों में अनुच्छेद लिखो।  
'सादा जीवन उच्च विचार'
- ❖ विद्यालय के प्रधानाचार्या को विद्यालय में कंप्यूटर-शिक्षा की सुविधा उपलब्ध करवाने के लिए प्रार्थना पत्र लिखिए।

### SOCIAL STUDIES

- ❖ Choose any one monument out of the following and write their histories along with pictures in a scrap file.
  - (a) Humayun's Tomb
  - (b) Agra Fort
  - (c) Jama Masjid

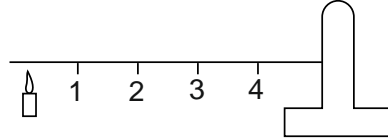
### SCIENCE

- ❖ Write how to regulate the amount of light, water and carbon dioxide to raise plants in a green house. Paste a picture of green house to prove your search.
- ❖ Boojho would like to know the differences between raw and baked soil? Investigate how the soil from which matkas are made is different from the soil used to make statues and why?
- ❖ The most accurate clock in the world has been developed by the National Institute of Standards and Technology in the USA. Name the organization taking care of time keeping services in India and write a report on it.
- ❖ Perform Act. 4 on Page 159 and record your observation.
- ❖ Work to be done on loose A4 sized sheets.

### *To be written in the Science Notebooks*

1. When we stand next to burning fire, we can feel the heat on our face. Name the process by which transfer of heat takes place. Define the process.
2. Why is the use of mercury thermometers being discouraged? What is the alternative present?
3. Differentiate between clinical and lab thermometers based on the following parameters.
  - (i) range
  - (ii) position of bulb while observing temperature
  - (iii) design of the body
4. Give reasons:-
  - (i) it is difficult to hold a stainless steel tumbler containing hot tea in the hand but a thermocol cup with the same hot tea in it.
  - (ii) a kink is made in a clinical thermometer.
  - (iii) a laboratory thermometer cannot be used to measure body temperature
5. I. Convert the following into F scale:
  - (i) 37°CII. Convert the following into °C
  - (i) 212 °F

6. (i) State two precautions while preparing the experiment on conduction and conductor:-



- (ii) Complete the following table by filling the 'nail no.'

Nail No.	Time taken to fall down
	1 min.
	15 sec.
	30 sec.
	1 min. 10 sec.

7. Suggest the possible cause for the variations in the following results:-

(a)

	BOOJHO'S TEST TUBE	PAHELI'S TEST TUBE	GOLU'S TEST TUBE
	A	B	C
	↓ +CHINA ROSE SOLUTION	↓ +CHINA ROSE SOLUTION	↓ +CHINA ROSE SOLUTION
COLOUR	DARK PINK	GREEN	NO CHANGE

- (b) While playing in a park, a child was bitten by many ants. Some elders suggested applying paste of baking soda and others lemon juice as a remedy. Which remedy do you think is more appropriate and why?

8. Write a word equation for the neutralization reaction between sodium hydroxide and hydrochloric acid. Also, write the chemical formulae of all substances involved.

9. What damage is caused by acid rain?

10. Complete the table:-

	Acid	Effect on litmus paper	Effect on china rose solution
1.	dil. HCl		
2.	dil. NaOH		

11. What are autotrophs? Name an organism other than green plants which is an autotroph?

12. Do you think fungi and bacteria can play any role in the recycling process.

13. All the animals depend upon plants for food. Justify the statement.

14. Who am I?

- (a) I am a carnivorous waterplant.  
 (b) I am a plant with sticky hairs to trap insects.  
 (c) I am a nitrogen fixing bacterium in the roots of legumens.  
 (d) I am a plant that traps insects in its leaves and consumer them.

15. Give reasons.

- (a) The leaf of a plant 'dies out' if its stomata is blocked.  
 (b) Leaf is known as food factory.

16. What will happen if to the time period if:

- (a) The length of the string of the simple pendulum is increased.  
 (b) The mass of the pendulum is doubled.

17. Graphically represent the nature of the distance-time graph of motion of the following:
  - (a) an athlete running with a constant speed.
  - (b) a train waiting at a station.
18. Distinguish between uniform and non-uniform motion.
19. A car moves with the speed of 80 Km/hr for 30 minutes and 60 Km/hr for 15 minutes. How much total distance does the car cover?
20.
  - (a) Draw a neat diagram of a simple pendulum.
  - (b) Label the mean position and the extreme positions.
  - (c) How would you define 1 oscillation of this pendulum?
21. Draw the soil profile.
22. Give two differences between clayey and sandy soil.
23. Calculate the rate of percolation if the amount of percolated water is 250 ml in 25 minutes.
24. List two measures that can be adopted to prevent soil erosion.
25. Learn "Do you Know" on page 50 (NCERT Book).

### PUNJABI

- ❖ ਆਓ ਅੰਤਾਖਰੀ ਖੇਡੀਏ (30 ਸ਼ਬਦ)  
ਪਹਿਲਾ ਸ਼ਬਦ ਮਮਤਾ → ਤਮਾਸ਼ਾ → \_\_\_\_\_
- ❖ ਬੋਲਣ ਕਲਾ (Speaking Skill)  
ਵਿਸ਼ਾ (Topic):
  1. ਹਰ ਮਨੁੱਖ ਲਾਵੇ ਇੱਕ ਰੁੱਖ
  2. ਇੱਕ ਆਦਰਸ਼ ਵਿਦਿਆਰਥੀ ਚੰਗੇ ਨਾਗਰਿਕ ਦੀ ਬੁਨਿਆਦ

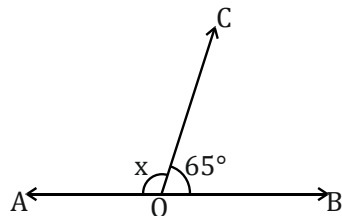
ਉੱਪਰ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਵਿਚੋਂ ਕਿਸੇ ਇੱਕ ਵਿਸ਼ੇ ਨੂੰ ਬੋਲਣ ਕਲਾ (Speaking Skill) ਲਈ ਤਿਆਰ ਕਰੋ (ਸਮਾਂ 1½ ਮਿੰਟ)। ਤਿਆਰ ਕੀਤੇ ਵਿਸ਼ੇ ਨੂੰ A4 ਸ਼ੀਟ ਤੇ ਸੁੰਦਰ ਲਿਖਾਈ ਵਿੱਚ ਲਿਖੋ।

### MATHEMATICS

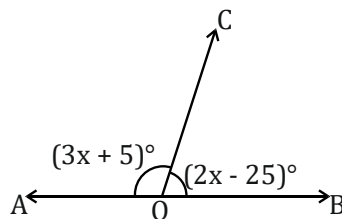
- ❖
  1.
    - (a) Write a pair of integers whose sum is -8.
    - (b) Write a negative integer and a positive integer whose sum is -6.
  2. The sum of two integers is -16. If one of them is 53, find other.
  3. Simplify:
    - (a)  $(-16) \times (-8) + (-4) \times (-8)$
    - (b)  $10 \times (-12) + 5 \times (-12)$
    - (c)  $9 \times (-13) + 9 \times (-7)$
  4. A die is thrown 20 times and the following outcomes were recorded:  
5, 2, 1, 3, 4, 4, 5, 6, 2, 2, 4, 5, 5, 6, 2, 2, 4, 5, 5, 1  
Prepare frequency distribution table.

5. Find mean of following:-  
 (a) First five prime numbers  
 (b) First six multiples of 5.
6. The runs scored by 11 members of Cricket team are:  
 25, 39, 53, 18, 65, 72, 0, 46, 31, 08, 34  
 Find median score.
7. Find mode of the data:-  
 10, 8, 4, 7, 8, 11, 15, 8, 6, 8
8. Solve for x:  
 (a)  $\frac{1}{2}x - 3 = 5 + \frac{1}{3}x$   
 (b)  $7 - 5x = 5 - 7x$
9. Solve for x:-  
 (a)  $2(x - 2) + 3(4x - 1) = 0$   
 (b)  $3 + 2x = 1 - x$
10. Nine added to thrice a number gives 45. Find the number.
11. Four added to twice a number yields  $\frac{26}{5}$ . Find fraction.

12. Find x:-

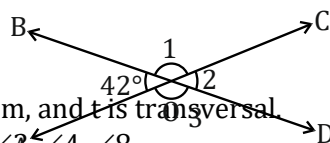


- 13.

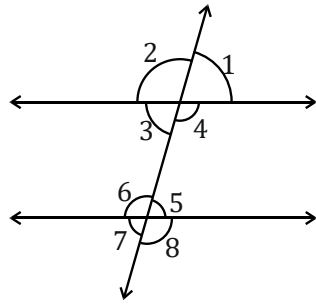


In the above figure, what value of x will make AOB a straight line?

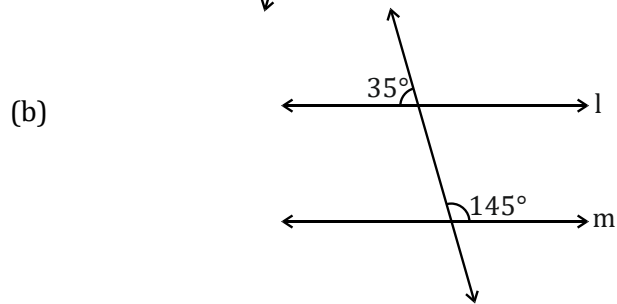
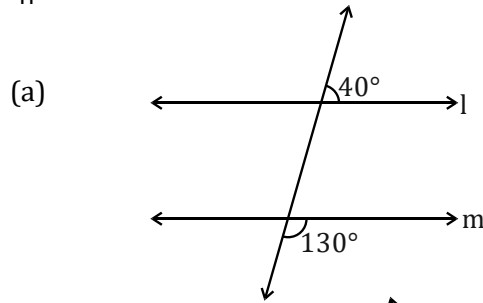
14. Find  $\angle 1$ ,  $\angle 2$ ,  $\angle 3$ ?



15. In the given figure,  $l \parallel m$ , and  $t$  is transversal.  
 If  $\angle 5 = 70^\circ$ , find  $\angle 1$ ,  $\angle 2$ ,  $\angle 3$ ,  $\angle 4$ ,  $\angle 8$



16. In each of the following figures, two lines  $l$ ,  $m$  are cut by a transversal  $t$ . Find whether  $l \parallel m$ ?



**VALUE EDUCATION**

- ❖ Design a logo on the theme 'Child Rights' on an A-4 size sheet and colour it.

**FRENCH**

- ❖ Describe familiar objects using colours and other adjectives.

**LIBRARY**

- ❖ Biography of favourite authors and summary of your favourite book.