

# HERITAGE SCHOOL JAMMU

## WINTER HOLIDAY HOMEWORK

### CLASS-VII

#### (SESSION 2017–2018)

---

#### SUBJECT: ENGLISH

Paste the sheet in Grammar notebook and solve.

#### Q1. Write a story with the help of Clues and also give it a suitable title

Special bird Sindhuka lives on a tree . ---- birds droppings turn into gold---- when hit the ground. A hunter -- catches it The hunter becomes happy ---- thought disturbs him ----might be punished ---- for keeping the bird ----The hunter presents ---- unique bird----- gift---- to the king. The king's Prime Minister convinces----- no such special bird. The hunter----- making a fool. King believes----- orders the servant----set the bird free .Before flying-----the birds defecates. Droppings ---- turn-----gold ---- hitting the ground. Everyone surprised -----king ----- left to mourn the loss.

#### Q2. Knit a story around the hints given below and also give it a suitable title:

Defeated 7 times by his opponent King Bruce -----sad rejected-----His eyes fell on a spider ----was trying ----- to climb---failed 7 times----spider attempted again ----the 8<sup>th</sup> time ----succeeded Prompted by the sight----- -he got up----- rearranged ----Army -----waged a fierce battle---- Won't is rightly said –

“quitter never win and winners never quit”

#### MIXED BAG EXERCISES

#### Q1. Fill in the blanks with appropriate Modals:

1. She----- carry so much of load. ( Capacity)
2. ----- you guide me through the lens of Lucknow as I am new to the city (polite request)
3. You ----- have a cup of tea if you like before we start the proceedings.(permission)
4. -----we take some of your time.
5. If he shouts in the library he----- be turned out.(result)
6. You must be ready for school by 7 a.m.(compulsion)

#### Q2. Fill in the blanks with the form of the verbs indicated:

1. The sun has just -----(rise)
2. Why are your clothes wet I have been ----- the garden (water)
3. His father----- abroad yesterday. (fly)
4. Before he Came on in films,he -----been-----on stage for 15 years.(act)
5. He will----- home before the rain sets in. (reach)
6. He will ----- for the trip shortly (leave)

#### Q3. Transform the following sentences from the active voice into passive voice

1. Does she want a pen?
2. I am eating an egg
3. Sunny has eaten the fruit
4. Weren't the trains carrying passengers?
5. the girls had not completed the assignment.
6. He will not finish his food so fast.

**Q4. Fill in the blanks with the correct degree of the adjectives given in bracket:**

1. Nita is----- in English then Neha.( fluent)
2. Her sisters handicraft is not so-----as that of her.(attractive)
3. This is one of the----- dictionaries.(reliable).
4. Maharana Pratap was----- of all kings of the Rajputana. (brave)
5. Marigold is not the----- of all flowers( fragrant)

**Q5. Fill in the correct verb that agrees with the subject in each of the following sentences:**

1. One of the boys -----got hurt.
2. Shailja as well as her mother-----gone to watch a movie.
3. The commander with all his soldiers-----captured.
4. Both of them----- been fined.
5. Many women -----come out of the house to work today.
6. Either Rabia or I ----- going with him.

**SUBJECT: SCIENCE**

Q1. A simple pendulum takes 32s to complete 20 oscillations. What is the time period of the pendulum?

Q2. The distance between two stations is 240 km. A train takes 4 hours to cover this distance .Calculate the speed of the train.

Q3. Explain the construction and working of an electric bell with the help of a well labelled diagram.

Q4. which type of mirror can formed real image?

Q5. Differentiate between real image and virtual image.

Q6. Sketch the reproductive parts of a flower.

Q7. Describe the function of Heart with the help of a labelled diagram.

Q8. What do you mean by vegetative propagation? Describe different methods of vegetative propagation.

Q9. What are stomata ? Give its two functions.

Q10. Differentiate between self pollination and cross pollination.

Q11. Explain how crystals of copper sulphate are prepared.

Q12. Differentiate between physical and chemical changes.

Q13. Write an equation for burning of magnesium ribbon?

Q14. Explain how painting of an iron gate prevents it from

Q15. Mention any three steps to prevent iron from rusting.

- **Revise all the chapters of term II, (After holidays revision test of the chapters and questions mentioned in holidays homework will be held in class).**

## **SUBJECT: SOCIAL STUDIES**

Revise the following chapters for a class test to be conducted immediately after winter vacations.

### **History**

**Ch-04:** The Mughal Empire

### **CIVICS**

**Ch-03:** How State Government Works

### **GEOGRAPHY**

**Ch-03:** Our Changing Earth

## **SUBJECT: MATHEMATICS**

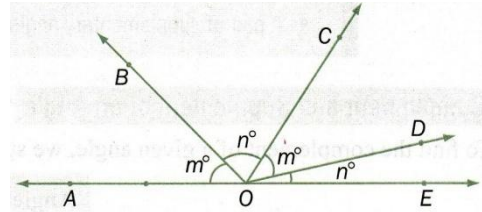
**The following questions to be practised in the regular Maths notebook.**

- Q1:** Kavita has three boxes of different chocolates. First box weighs 100g more than the third box and the second box weighs 50g more than the third box. If the total weight of three boxes is 750g, find the weight of each box.
- Q2:** Construct three equations for each of the following solutions.
- a)  $y = -1$                       b)  $z = 0$
- Q3:** Convert the following statements into equations and solve them.
- a) Sum of a number and 7 is two times 13.  
b) Thrice a number when increased by 6 gives 24.  
c) A number when added to its double gives 72.
- Q4:** Students of a class have a total of 102 pens. Some of the pens are gel pens. The number of non-gel pens are 2 more than three times the number of gel pens. What is the number of gel pens in the class?
- Q5:** In a class of 35 students, the number of girls is two-fifth of the number of boys. Find the number of boys in the class.
- Q6:** I multiply a certain number by 28, add 14 to the product, divide the sum by 13 and subtract 4 from the result. If I obtain twice the original number, what number did I take at first?
- Q7:** The difference between two supplementary angles is  $20^\circ$ . Find the angles.
- Q8:** A man spends one third of his monthly income on food, one-fourth on children's education and one-sixth on household expenses. He keeps the remaining Rs.7000 for savings. What is his monthly income?
- Q9:** On dividing a certain number by 13, the quotient is -18 and the remainder is 7. Find the number.
- Q10:** Write the equation and solve. Verify the solutions.

- a) One and a half times a number is 1500. What is the number?  
 b) Six times a number is -96. What is the number?

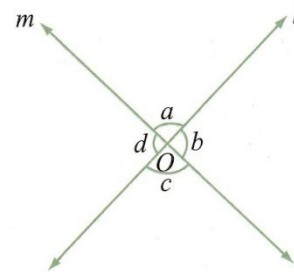
**Q11: Look at the adjoining figure and answer the following questions.**

- a) Form an equation involving  $m$  and  $n$ .  
 b) If  $n = 30^\circ$ , find the value of  $m$ .  
 c) Find the measure of  $\angle AOC$ ,  $\angle BOD$  and  $\angle COE$



**Q12: In the given figure,  $l$  and  $m$  are two lines intersect at a point  $O$  forming four angles  $a$ ,  $b$ ,  $c$ ,  $d$ .**

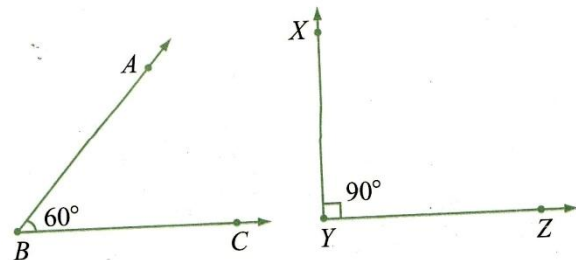
- a) Name two pairs of equal angles.  
 b) Name four pairs of adjacent angles.  
 c) Name four pairs of angles forming a linear pair.  
 d) Find the supplement of  $a$  if  $a = 100^\circ$ .  
 e) If  $a = 105^\circ$  then find the measure of  $b$ ,  $c$  and  $d$ .



**Q13: Find the complement of**                      a)  $56^\circ$                       b)  $38^\circ$

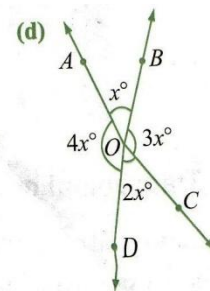
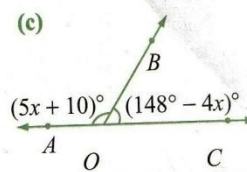
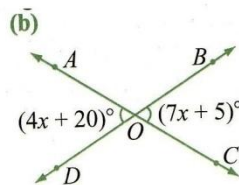
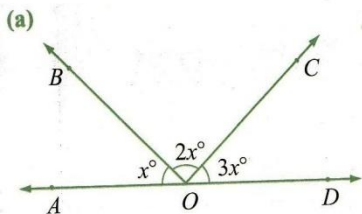
**Q14: In the given figure, two angles  $ABC$  and  $XYZ$  are given with measures  $60^\circ$  and  $90^\circ$ , respectively.**

- a) Find the complement of  $\angle ABC$ .  
 b) Find the supplement of  $\angle ABC$  and  $\angle XYZ$   
 c) Are  $\angle B$  and  $\angle Y$  supplementary?  
 d) Do  $\angle B$  and  $\angle Y$  form the linear pair?

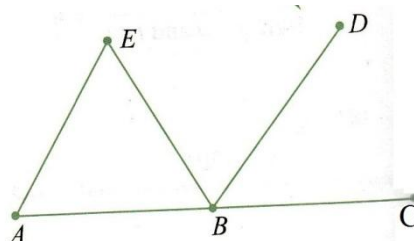


**Q15: Two supplementary angles are such that one is two-third of the other. Find them.**

**Q16: Find the value of  $x$  in each of the following.**



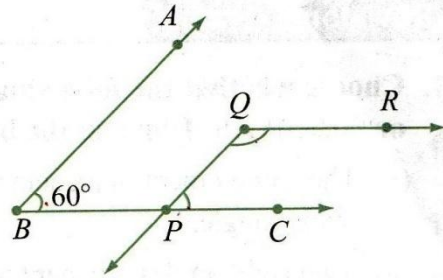
**Q17: In the given,  $AE \parallel BD$ , If  $\angle BAE = 70^\circ$  and  $\angle AEB = 50^\circ$ , then find the measure of  $\angle EBD$ ,  $\angle DBC$ ,  $\angle EBC$  and  $\angle EBA$ .**



Q18: In the adjoining figure,  $AB \parallel QP$  and  $QR \parallel BC$ . If  $\angle ABC = 60^\circ$  then find  $\angle PQR$ .

Q19: An angle is  $10^\circ$  more than

Q20: Find the supplement of



**SUBJECT: HINDI**

1निम्नलिखित व्याकरण पुस्तिका में लिखें और याद करें-कार्य व्याकरण-  
पर्यायवाची57-41

विलोम शब्द 100-76

अनेक शब्दों के लिए एक शब्द 61-45

अनेकार्थक शब्द 40-31

श्रुतिसमभिन्नार्थक शब्द 50-37

मुहावरे 55-41

लोकोक्तियां 25-18

2गतिविधि न० .2अशुभाषण समय 2 -: मौखिक)मिनट

निम्नलिखित विषय गतिविधि हेतु तैयार करें --:

(1एक स्वस्थ और खुशहाल जीवन का महत्व

(2वृक्षारोपण का महत्व

(3भष्ट्राचार मुक्त भारत

(4ज्ञानवर्धन के साधन

(5व्यावहारिक जीवन में परिवर्तन की अनिवार्यता

**SUBJECT-URDU:** Read and write Lesson no 10 in notebook.

**SUBJECT-FRENCH:** Practice the irregular verbs conjugation (lesson 6 to lesson 10)