St. Mary's School, Dwarka
Winter Holiday Homework-2025
Class VII
Subject: English

General Instructions:
1) The work should be done neatly and in a systematic way.
2) The given questions are to be done in your respective subject notebook.
3) Write questions along with the answers.

SECTION A - GRAMMAR AND WRITING (12 marks)

Q1. **Fill in the blanks with the correct form of the verb.**   (½ x 8 = 4)

Vicky: Hello, Priya! How are you? Will you help me with my project?
Priya: Sure! What should I do?
Vicky: The documents _____ (prepare) by me yesterday.
Priya: Oh, that's good! I think the presentation _____ (complete) by the time you return.
Vicky: Yes, the files _____ (organize) by my assistant this morning.
Priya: Great! But I noticed the report _____ (not finish) yet.
Vicky: Don't worry, it _____ (finish) soon. It's almost ready to be sent.
Priya: Perfect! So, when _____ the emails _____ (send)?
Vicky: They _____ (send) tomorrow after everything is finalized.
Priya: Excellent! I'm sure the team _____ (impress) with the final result.

Q2. You are Rajesh Kapoor, Secretary of the Greenfield Society, Mumbai. The society is organizing a Plantation Drive to promote environmental awareness and beautify the surroundings. You are required to inform the residents of the society about the event, its date, and time. Ask those who are willing to participate to confirm their attendance. Draft a notice for the members of the society.   **(3)**

Q3 You are Aryan Mehra, a resident of 12A, Rosewood Avenue, Bangalore-560023. The streets in your locality have been facing severe issues with poor road conditions, potholes, and traffic jams. Despite repeated complaints, no action has been taken by the local municipal authorities. Write a letter to the Editor of The Times of India, highlighting these issues and urging the authorities to take immediate action.   **(5)**

SECTION B – LITERATURE (8 marks)

Q4 **Answer these questions in 20-40 words.**   (2x2=4)

a) How was the Soviet Union ahead of other countries in recognising female fighter pilots?
b) Why is the foliage compared to the sea? What effect does the variation have on the garden and the speaker?

Q5. **Answer the question in 60-80 words.**   **(4)**

a) Why does Officer Shrift arrest Milo and Tock? What are the charges against them?
(The Phantom Tollbooth)

निर्देश — 1 दिए गए सभी प्रश्नों के उत्तर हिन्दी की उत्तर पुस्तिका में कीजिए।

2 सभी प्रश्नों के उत्तर पूर्ण वाक्य में लिखकर स्थानों को रेखांकित कीजिए।

3 कार्य स्वच्छ, शुद्ध एवं स्पष्ट लेख में कीजिए।

प्रश्न 1 निम्नलिखित प्रश्नों के निर्देशानुसार उत्तर दीजिए— (1×5=5)

(क) ' 73, 80, 97, 100' इन संख्याओं को हिंदी में लिखिए।

(ख) **क्रिया** के कितने भेद है? उनके नाम लिखिए।

(ग) **निम्नलिखित वाक्यों में से क्रिया-विशेषण शब्द छाँटकर क्रिया-विशेषण का भेद लिखिए—**

(i) सभी बच्चे बगीचे में खेलते हैं।

(ii) मै दिल्ली परसों जाऊँगा।

(घ) **निम्नलिखित शब्दों का संधि-विच्छेद कीजिए—**

(i) सूर्योदय   (ii) गणेश

(ड़) **निम्नलिखित वाक्य में उपयुक्त विराम-चिह्न लगाइए—**

(i) शाबास रमेश तुमने बहुत अच्छा काम किया है

(ii) डॉ0 ने कहा, नियम से दवाई खानी है। इस वाक्य में रेखांकित शब्द में कौन-से विराम चिह्न का प्रयोग किया गया है?

प्रश्न 2 निम्नलिखित गद्य पाठों पर आधारित प्रश्नों के उत्तर 25-30 शब्दों में दीजिए— (2×2=4)

(क) धनराज पिल्लै का व्यक्तित्व कैसा था? पाठ के आधार पर समझाइए।
आप उनके किन गुणों को अपने जीवन में अपनाना चाहेंगे?

(ख) बंसुरिया बाबा कौन थे? कुँवर सिंह के व्यक्तित्व पर उनका क्या प्रभाव पडा?

प्रश्न 3 निम्नलिखित पद्य पाठों पर आधारित प्रश्नों के उत्तर 25 से 30 शब्दों में दीजिए— (2×2=4)

(क) 'भोर और बरखा' कविता के पहले पद में कौन-किसे जगा रहा है तथा कृष्ण के लिए किन-किन विशेषणों का प्रयोग किया गया है?

(ख) 'एक तिनका' कविता के द्वारा कवि क्या संदेश देना चाह रहा है? स्पष्ट कीजिए।
मनुष्य अपने किन अवगुणों के कारण समाज में सम्मान प्राप्त नहीं कर पाता?

प्रश्न 4 निम्नलिखित पूरक पुस्तक के पाठों पर आधारित प्रश्नों के उत्तर 25-30 शब्दों में दीजिए—

(2×2=4)

(क) पांडवों की ओर से शान्ति दूत बनकर कौन-कौन गए?

(ख) पांडव सब कुछ क्यों हार गए थे तथा कौरवों की शर्त क्या थी?

प्रश्न-5 (क) शीतकालीन गृहकार्य न करके लाने पर अध्यापिका और कविता के बीच हो (4×1=4)
रही बातचीत को 70-80 शब्दों में संवाद के रूप में लिखिए।

(ख) परीक्षा में अनुत्तीर्ण रहने वाले मित्र को सांत्वना देते हुए पत्र लिखिए। (4×1=4)

Subject: Mathematics

Q1. Choose the correct option: (1x2=2)
   (a) What is the distance covered by a car wheel in 500 revolutions if it has diameter of 0.5 m?
   (i) 875 m   (ii) 758 m   (iii) 785 m   (iv) 857 m

   (b) If area of a circle is numerically equal to its circumference, then what is the radius of the circle?
   (i) 1 unit   (ii) 2 units   (iii) 3 units   (iv) 4 units

Q2. Draw a tree diagram showing terms and factors of the following expressions: (2)
   (a) $8 - \frac{1}{2}t + m$ (b) $0.1\, x^2 - 0.4\, y^2 + 0.5\, z^2$

Q3. The base and the corresponding altitude of a parallelogram are 35 cm and 42 cm respectively.   (3)
   If the other altitude is 30 cm, draw a neat figure and find the length of the other pair of parallel
   sides.

Q4. A field is in the form of a right triangle with hypotenuse 100 m and one side equal to 60 m.
   Draw a neat figure and find the area of the field.   (3)

Q5. (a) Find the value of p if the value of $3q^3 + q^2 - p$ equals to 10 when $q = 0$.   (2)
   (b) Simplify the expressions and find the value of the following when $m = -3$, $n = 2$:   (3)
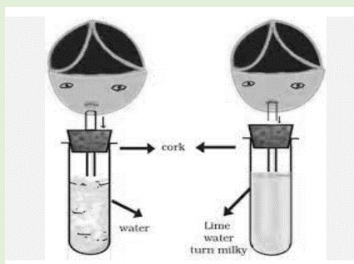   (i) $m + 5(n-3) + 4$ (ii) $5(3m+10) + 2n + 14$

Subject: Science

General Instructions:

(1) The work should be done neatly and in a systematic way.

(2) The given questions are to be done in the Science notebook.

(3) Write questions along with the answers.

(4) Answer the 02 marks questions in 30 to 50 words.

(5) Answer the 03 marks questions in 50 to 80 words.

For question numbers 1-5, two statements are given-one labelled Assertion (A) and other labelled as Reason (R). Select the correct answer to these questions from the codes a), b), c) and d) as given below:

a) Both A and R are true, and R is a correct explanation of the assertion.

b) Both A and R are true, but R is not the correct explanation of the assertion.

c) A is true, but R is false.

d) A is false, but R is true

1. Assertion (A): Plants take in oxygen for respiration and release carbon dioxide   (1)
   Reason   (R): Respiration in plants occurs during the day only.

2. Assertion (A): Yeast can survive in the absence of oxygen.   (1)
   Reason   (R): Yeast respires anaerobically to produce alcohol and carbon dioxide.

3. Assertion (A): Explosion of firework is a chemical change.   (1)
   Reason   (R): No new substance is produced during explosion.

4. Assertion (A): Evolution of gas is confirmed sign of physical change.   (1)
   Reason   (R) : Hydrogen gas is evolved on reaction of acids on metals.

5. Assertion (A): Periodic motion of a pendulum has been used to make clocks and watches.   (1)
   Reason   (R): Pendulum of given length does not take the same time to complete one oscillation.

6. Assertion (A): The distance time graph for the motion of an object moving with a constant speed   (1)
              is not a straight line.
   Reason   (R): An object moving along a straight line covers equal distance in equal intervals of time
                it is said to be uniform motion.

7. a) In an experiment given below, a teacher asked students to blow air into a lime water solution.   (1)
    The lime water turned milky. Give reason.

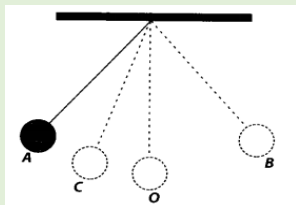   b Why do we often yawn when sitting in a closed room or when we are sleepy?   (1)

8. Complete the following.   (2)
   a) Glucose   _in the presence of oxygen_ →   __ _____+_____ + energy
   b) Glucose   _in the absence of oxygen_ →   __ _____+_____ + energy

9. What happens when an iron blade is dipped in a copper sulphate solution? (2)
Write the chemical equation for this change.

10. a) The following figure shows an oscillating pendulum. (1)

   Time taken by the bob to move from A to C is 2s, and from C to O is 3s. What is the time period of this simple pendulum?

   b) A person walks 2 km in 30 minutes. Calculate the speed in km/h. (1)

11. a) Differentiate between odometer and speedometer (1)
   b) A car moves at a speed of 48km/h for 2 hours and then at the speed of 72km/h for the next 3 hours. Calculate the total distance covered by the car. (2)

12. Jay is going for a drive in his car. The table given below shows the distance covered with respect to time during the motion of his car. i) Identify the type of motion shown by the car.
   ii) Plot a distance-time graph to describe his full journey. Find the average speed of the car. (3)

Distance (km)	Time (hr)
60	1
170	2
210	3
390	4
450	5

13. a) Classify the following processes into physical or chemical changes. (1)
   (i) Beating of aluminium metal to make aluminium foil.
   (ii) Digestion of food.

   b) Mr. Anant is working in a shipping company which is facing a huge loss due to rusting of ships. Mention the reason for rusting of ships. What permanent solution can you suggest to him? (2)

14. Give an example of a chemical reaction for each of the following situations. (3)
   (a) A change in colour is observed.
   (b) A gas is evolved.
   (c) Sound is produced.

15. Riya, a 12-year-old student, participated in a school marathon. During the event, she noticed that after running for a few minutes, she started breathing heavily and felt fatigued. She also observed that her heart rate increased significantly. (1+1+2)
   (a) Why did her breathing rate increase during the marathon?
   (b) Why did she feel tired after running for a long time?
   (c) How is energy produced in her body for physical activities?

Subject: Social Science

History

Q1. Name any four Bhakti saints of North India. (1)

Q2. Who were called bards? (1)

Q3. Differentiate between the Alvars and the Nayanars saints. (2)

Q4. Explain the significance of teachings of Guru Nanak Dev. (3)

Q5. Compare the dance forms which originated in Andhra Pradesh and Odisha. (3)

Civics

Q1. What is gender equality? (1)

Q2. What is the purpose of advertisements? (1)

Q3. Write down the basic principle of media ethics. (2)

Q4. What role do media play in democracy. Explain (2)

Q5. **Creative Challenge** (4)

Write a short slogan or design a small poster (on paper or describe it in words) that promotes gender equality. Your message should inspire others to treat everyone equally, regardless of gender.

Geography

Q1. List the main tributaries of River Ganga. (1)

Q2. What do you understand by 'Slash-and-Burn Agriculture'? (1)

Q3. Answer the following in brief: (2)

(i) What are the different names of the Brahmaputra River in the countries it flows through?

(ii) Mention the key features of the Amazon River.

Q4. Compare the climatic conditions of both Amazon and Ganga-Brahmaputra Basins. (3)

Q5. On the world map locate and label the following: (3)

- The Continents and the Oceans
- The Amazon and the Ganga-Brahmaputra Basin.

Subject: Sanskrit

सामान्य निर्देश –

1 सर्वेषाम् प्रश्नानाम् उत्तरम् संस्कृतस्य कक्षाकार्य पुस्तिकायाम् लिखत।

• सभी प्रश्नों के उत्तर संस्कृत की उत्तर पुस्तिका में लिखिए।

2 सर्वेषाम् प्रश्नानाम् उत्तरम् क्रमानुसारम् लिखत।

• प्रत्येक खंड के प्रश्नों के उत्तर क्रमानुसार लिखिए।

3 कार्यम् स्वच्छम् शुद्धम् स्पष्टम् लेखे च लिखत।

• कार्य स्वच्छ शुद्ध एवं स्पष्ट लेख में लिखिए।

प्रश्न 1 चित्रम् दृष्ट्वा दत्तपदानां सहायतया रिक्तस्थानानि पूरयत — (1×4=4)

मञ्जूषा = बालकाः , महिला , उद्यानस्य , कुक्कुरः ।

1 एतत् चित्रम् ....अस्ति।

2 अत्र एका............तिष्ठति।

3 अत्र एकः .... अपि अस्ति।

4 सर्वे .... आनन्देन क्रीडन्ति।

प्रश्न 2 अधोलिखिते संवादे मञ्जूषायाः उचितपदानि चित्वा रिक्तस्थानानि पूरयत (1×4=4)

मञ्जूषा – क्रिकेट्-प्रतियोगिता , कुत्र , क्रीडाक्षेत्रम् , गृहकार्यम् ,

माता – [1] पुत्र त्वम् .... गच्छसि ?

पुत्रः – मातः! अहम् [2] .... गच्छामि।

माता – किं तव [3].......... सम्पूर्णम् अस्ति ?

पुत्रः – यदा अहम् क्रीडाक्षेत्रात् आगमिष्यामि तदा करिष्यामि।

माता – प्रतिदिनं तु गृहकार्यम् कृत्वा खेलसि ।

पुत्रः – मातः! अद्य [4] .... अस्ति ।अतः अहम् गच्छामि।

माता – शोभनम्।

प्रश्न 3 निम्न प्रश्नानाम् उत्तराणि उचित विकल्पम् चित्वा लिखत। (1×3=3)

(क) धातुरूपाणि लिखत—

(i) 'स्था' धातु- लोट्लकारः ,मध्यम पुरूषः, बहुवचने उचित रूपम् किम् भवति?

(क) तिष्ठन्तु (ख) तिष्ठतु (ग) तिष्ठत

(ii) 'कृ' धातु- लृट्लकारः ,उत्तम पुरूषः, एकवचने उचित रूपम् किम् भवति ?

(क) करिष्यसि (ख) करिष्यामि (ग) करिष्याव

(iii) 'पच्' धातु- लंङ्लकारः ,प्रथम पुरूषः, द्विवचने उचित रूपम् किम् भवति ?

(क) अपचन् (ख) अपचताम् (ग) अपचत

(ख) शब्दरूपाणि लिखत— (1×3=3)

(i) 'नदी' शब्द षष्ठी विभक्तिः, बहुवचने उचित रूपम् किम् भवति ?

(क) नदीनाम् (ख) नदीभ्याम् (ग) नदीः

(ii) 'किम्' शब्द (स्त्री0) तृतीया विभक्तिः, एकवचने उचित रूपम् किम् भवति ?

(क) काम् (ख) काभिः (ग) कया

(iii) 'नर' शब्द सप्तमी विभक्तिः, द्विवचने उचित रूपम् किम् भवति ?

(क) नरयोः (ख) नरेषु (ग) नरान्

प्रश्न 4 (क) अधोलिखितवाक्येषु उचितं अव्यय पदम् चित्वा रिक्त स्थानानि पूरयत — (1×3=3)

(i) मंचस्य ——— स्यूताः सन्ति।

(क) उपरि (ख) श्वः (ग) शीघ्रम्

(ii) ——— सोमवासरः अस्ति।

(क) शनैः (ख) अद्य (ग) अधः

(iii) रमेशः कार्यम् कृत्वा ——— विश्रामम् करोति।

(क) अधुना (ख) अद्य (ग) प्रति

(ख) अधोलिखितेषु रिक्तस्थानेषु प्रकृति प्रत्ययं संयोज्य उचित पदम् विकल्पेन चित्वा रिक्त स्थानानि पूरयत— (1×3=3)

(i) शिशुः मातरम् .... (दृश्+ क्त्वा) प्रसन्नः अभवत्।

(क) दृष्ट्वा (ख) दृशित्वा (ग) दर्शत्वा

(ii) विद्यार्थी विद्यालये गुरून्........... (नम्+ क्त्वा) पठति।

(क) नमित्वा (ख) नमत्वा (ग) नत्वा

(iii) सुधा प्रतियोगितायाम् सफलं........... (भू+ क्त्वा) प्रसन्नः भवति।

(क) भवित्वा (ख) भूत्वा (ग) भुत्वा

<u>खण्ड (ग) पठित अवबोधनम्</u>

प्रश्न 5 **(क)** निम्नलिखित रेखांकित शब्दानाम् प्रश्ननिर्माणम् कुरूत — (1×3=3)

   (i) **विद्या** राजसु पूज्यते।

   (ii) कालेन **चटकायाः** सन्ततिं जाता।

   (iii) देशानाम् **विकासः** अपि अवरूद्धः भवति।

   (ख) निम्नलिखित संस्कृत शब्दानाम् हिन्दी भाषायाम् अर्थ लिखत — (1×2=2)

      (i) _ मतिः (ii) बहवः

Subject: Computer Science

Q1. Choose the correct option. (1x3=3)

a) The statement using AND operator results true if ……………… .

i) Both operands are true   ii) Both operands are false

iii) Either of the operands are true   iv) Neither of the operands are true

b) The …………. are special symbols which perform arithmetic and logical computations.

i) operators   ii) parameters   iii) functions   iv) operands

c) The ………. symbol is used for comment in Python.

i) *   ii) /**/   iii) #   iv) //

Q2. Write the syntax for the following statements. (1x3=3)

i) if   ii) if..else   iii) if…elif…else

Q3. Find the output of the following program code. (1x4=4)

a)
```
a= -28
b= 65
if (a > b):
      print("Hello")
else:
      print("Bye")
```

b)
```
>>> a = 3*2
print(a)
```

c)
```
str = "Digi Code AI"
print(str)
```

d)
```
number = -5
if(number > 0):
    print('Positive number')
elif(number < 0):
    print('Negative number')
else:
     print('Zero')
print('This statement is always executed')
```

Q4. Answer the following questions. (2x5=10)

a) What is the use of variables in Python?
b) Explain precedence of operators in Python.
c) Differentiate between mathematical operator and assignment operator.
d) Draw a G.O. to explain the different types of operators.
e) What is the purpose of the following operators in Python?
      i) !=   ii) %   iii) OR   iv) //

Q5. Write the Python programs for the following: - (2x5=10)

i) to show all the mathematical operations (+, -, *, /, //, **, %)
ii) to calculate the volume of cuboid (v=l*b*h)
iii) to calculate the perimeter circle (p=2*3.14*r)
iv) to calculate the area of triangle (a=0.5*b*h)
v) to calculate the area of square (a=s*s)

Note: - Paste the snip of the program code and the output window after each program.

Upload the pdf of the practical on Microsoft Teams.

Subject: Elementary Mathematics

Q1. Draw the following lines with the use of ice-cream sticks.   (½ x 4=2)

   a) Slanting line
   b) Vertical line
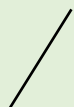   c) Horizontal line
   d) Curved line

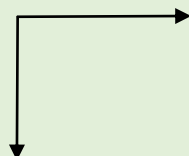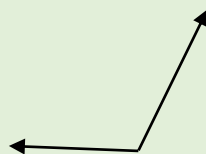Q2. Classify the following as acute, obtuse, right, straight line.   (½ x 4=2)

   a)

   b)

   c)

   d)

Q3. Using matchsticks, construct different types of triangles based on their sides.   (3)
   Identify and explain the types of triangles you can create (equilateral, isosceles
   and scalene) based on the length of the sides.

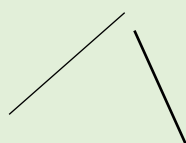Q4. Find out whether a triangle can be formed with the given angles or not?   (½ x 6=3)
   a) 52 ,68,60
   b) 115,15,95
   c) 68,110,22
   d) 54,75,36
   e) 105,35,40
   f) 47,50,20
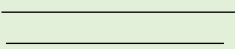
Q5. Choose the correct answer.   (5)
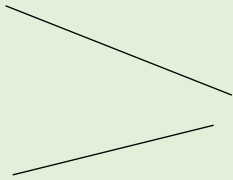
   a) Which of the these is a parallel line?

   i)

ii) —————

iii)

b) Which of these letters forms a perpendicular?

    i)   M   ii) N   iii) H

c) An acute angle whose measure is less than 90 degree is _____ .

    i) acute   ii) obtuse   iii) right

d) A triangle with all the sides of different lengths is called:

    i) Equilateral triangle

    ii) Isosceles triangle

    iii) Scalene triangle

    iv) Right triangle

e) When the angle between two lines is 90 degree, the lines are said to be _____

    a) parallel

    b) perpendicular

    c) Intersecting

    d) coincident