



St. Mary's School, Dwarka
Winter Holiday Homework-2025
Class VIII
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.

GRAMMAR & WRITING (12 marks)

Q1. Do as directed.

i. Complete the sentence with reference to the underlined sentence.

($\frac{1}{2} \times 4 = 2$)

1. The committee is discussing the new policy.

Ans. The new policy _____.

2. Scientists will soon discover a cure for this disease.

Ans. A cure for this disease _____.

3. Who wrote this fascinating novel?

Ans. By whom _____.

4. The authorities had already issued several warnings before the storm hit.

Ans. Several warnings _____.

ii. Fill in the blanks with the appropriate word.

($\frac{1}{2} \times 4 = 2$)

Lily was excited about the upcoming camping trip, but she knew she (a) _____

(must / might) pack everything carefully. Her parents told her that she (b) _____

(should / could) bring extra blankets in case it got cold. They also reminded her that she

(c) _____ (may / must) not leave the campsite without informing an adult.

Lily thought she (d) _____ (can / might) enjoy the trip more if she planned some fun activities in advance.

Q2. You are Priya/Vikram. You received a call from your cousin, Rina, informing you that the time for their family dinner has been postponed. They will now meet at 7 p.m. instead of 6 p.m.

Write a message in 50 words to inform your mother, as you need to leave for tuition

(3)

Q3. You are Lakshita/Lakshit, a resident of 213, Janakpuri, New Delhi. Write a letter to the Editor of a leading newspaper in about 120-150 words to raise awareness about the growing issue of cyberbullying among teenagers. Highlight the emotional and psychological effects it has on students. Suggest preventive measures, and urge parents, schools, and authorities to take collective action.

(5)

LITERATURE (8 Marks)

Q4. Answer the following questions in 20-40 words.

(2x2=4)

i. What did the narrator see through the gap in the story, **That Little Square Box?**

ii. How did the journey of the anarchist come to an end?

Q5. Answer the following question in about 80-100 words.

(4x1=4)

How would you describe the bacteriologist and his approach to his work in the story, **The Stolen Bacillus?**

Subject: Hindi

सामान्य निर्देशः—

- दिए गए सभी प्रश्नों के उत्तर हिंदी की उत्तर पुस्तिका में लिखिए।
- कार्य स्वच्छ शुद्ध एवं स्पष्ट लेख में कीजिए।
- यथासंभव प्रत्येक प्रश्न का उत्तर कमशः लिखिए।

प्रश्न 1 निम्नलिखित प्रश्नों के निर्देशानुसार उत्तर दीजिए -

(1×5=5)

- (क) 'मुझे थोड़ा-सा कपड़ा चाहिए।' इस वाक्य में थोड़ा-सा शब्द विशेषण का कौन-सा भेद है?
- (ख) बच्चा हँस रहा है। इस वाक्य में कौन-सी क्रिया है ?
- (ग) निम्नलिखित शब्दों में प्रयुक्त उपसर्ग और मूल शब्द अलग करके लिखिए-
- (i) परिवार (ii) अनुग्रह
- (घ) निम्नलिखित शब्दों में संधि तथा संधिविच्छेद कीजिए :
- (i) महा + ऋषि (ii) भानूदय
- (ङ) निम्नलिखित वाक्यों में उचित विराम -चिह्न लगाकर लिखिए-
- (i) वह घर जा रहा है
- (ii) देश के वीर तन मन धन से देश की रक्षा के लिए प्रयत्नरत रहते हैं।

प्रश्न 2 निम्नलिखित गद्य पाठों पर आधारित प्रश्नों के उत्तर 25 से 30 शब्दों में दीजिए:-

(2×2=4)

- (क) लेखक और उनके मित्र बस में यात्रा को लेकर दुविधा में क्यों थे?
- (ख) अंग्रेज़ के सामने बिलवासी जी ने झाऊलाल को पहचानने तक से क्यों इनकार कर दिया था?

प्रश्न 3 निम्नलिखित पद्य पाठों पर आधारित प्रश्नों के उत्तर 25 से 30 शब्दों में दीजिए:-

(2×2=4)

- (क) कबीरदास जी 'घास' जैसी तुच्छ वस्तु को भी इतना महत्त्व क्यों देते हैं? आपके अनुसार हमारे जीवन में किन लोगों का अधिक महत्त्व होता है?
- (ख) बालक श्रीकृष्ण किस लोभ के कारण दूध पीने के लिए तैयार हुए?

प्रश्न 4 निम्नलिखित पुरक पुस्तक के पाठों पर आधारित प्रश्नों के उत्तर 25 से 30 शब्दों में दीजिए:-

(2×2=4)

- (क) महात्मा बुद्ध के मन में संवेग की उत्पत्ति के क्या कारण थे?
- (ख) कठोर तपस्या में लगे सिद्धार्थ ने भोजन करने का निर्णय क्यों लिया ?

प्रश्न 5

- (क) 'शीतावकाश की छुट्टियों में भ्रमण हेतु उपयुक्त स्थान' विषय पर दो मित्रों के बीच हुई बातचीत को 100 शब्दों में संवाद के रूप में लिखिए।

(4×1=4)

- (ख) चित्रकला प्रतियोगिता में प्रथम आने पर अपने छोटे भाई को बधाई पत्र लिखिए।

(4×1=4)

Subject: Mathematics

- Q1. Find the volume of the cuboid whose length, breadth and height is $3xy$, $11x^2y$ and $12xy^3z$ respectively. Also find the volume of the same cuboid if $x = 1\text{cm}$, $y = 2\text{cm}$ and $z = 3\text{cm}$. (2)
- Q2. Using identities show that : $(4xy + 3y)^2 - (4xy - 3y)^2 = 48xy^2$ (2)
- Q3. Factorise the following algebraic expressions: (mention the identity used) (3)
- a) $49p^2 - 121q^2$ b) $a^2 - 2ab + b^2 - c^2$ c) $25m^2 + 30m + 9$
- Q4. a) Subtract : $4a - 6ab + 4b + 12$ from $7b - 8a + 4ab - 8$ (1x3=3)
b) Multiply : $2, 4y, 6y^2, 8y^3$
c) Add : $10(6y + 21)$ and $5(2y + 7)$
- Q5. a) Factorise the following using middle term splitting method : (1.5 x 2=3)
i) $y^2 - 7y + 12$
ii) $3z^2 - 4z - 15$
b) Divide : $3pq(64p^2 - 81q^2)$ by $(8p - 9q)$ (2)

Subject: Science

General Instructions:

- (1) The work should be done neatly in the Physics, Chemistry and Biology notebooks respectively.
- (2) Write questions along with the answers.
- (3) Answer the 02 marks questions in 30 to 50 words.
- (4) Answer the 03 marks questions in 50 to 80 words.

PHYSICS

Q1 and Q2 are Assertion - Reasoning based question. This consist of two statements Assertion (A) and Reason (R). Answer the question by selecting the appropriate option given below:

- A. Both A and R are true and R is the correct explanation of A**
- B. Both A and R are true and R is not the correct explanation of A**
- C. A is true but R is false**
- D. A is false, but R is true**

- Q1. **Assertion(A):** Vibrations are sent from the middle ear to the eardrum. (1)
Reason (R): The eardrum is like a stretched rubber sheet.
- Q2. **Assertion (A):** Light travels in a straight line. (1)
Reason (R): Shadows are formed when an object blocks the path of light
- Q3. (a) We have learnt that vibration is necessary for producing sound. Explain why the sound produced by every vibrating body cannot be heard by us. (1+1=2)
(b) Imagine you are an astronaut floating in space, and you try to shout to your fellow astronaut. Why can't they hear you?
- Q4. (a) Pendulum A makes 150 oscillations in 50 seconds and pendulum B makes 12 oscillations in 0.3 seconds. Which one has a higher frequency?
(b) Suggest two measures to limit the noise pollution in your locality. (2+1=3)
- Q5. (a) If a light ray strikes a plane mirror at an angle of 40° to the normal, what will be the angle of reflection?
(b) Draw a neat and labelled diagram to show the incident ray, the normal, and the reflected ray. (1+2=3)

CHEMISTRY

Q1 and Q2 are Assertion - Reasoning based question. This consist of two statements Assertion (A) and Reason (R). Answer the question by selecting the appropriate option given below:

- A. Both A and R are true and R is the correct explanation of A**
- B. Both A and R are true and R is not the correct explanation of A**
- C. A is true but R is false**
- D. A is false, but R is true**

- Q1. **Assertion (A):** Electrical charge can be transferred from a charged object to another through a metal conductor. (1)
Reason (R): A device used to test whether an object is carrying heat or not is called an Electroscopes.
- Q2. **Assertion (A):** Carrying an umbrella is not a good idea during a thunderstorm. (1)
Reason (R): Open fields, tall trees, shelters in park, elevated places does not protect us from lightning strokes.
- Q3. (a) If an object is touched with metal top of an electroscopes its aluminium strips diverge. What conclusion do you get from the above observation?
 (b) Can an electroscopes be used to determine the type of charge? Explain your answer. (1+1=2)
- Q4. (a) Define the following terms: (i) Focus (ii) Epicentre (1X3=3)
 (b) Write any two safety measures that must be taken at the time of earthquake.
- Q5. (a) Draw a labelled diagram of a device used to detect the presence of static charge.
 (b) Write two precautions to be taken during a lightning or thunderstorm. (1+2=3)

BIOLOGY

Q1 and Q2 are Assertion - Reasoning based question. This consist of two statements Assertion (A) and Reason (R). Answer the question by selecting the appropriate option given below:

- A. Both A and R are true and R is the correct explanation of A**
B. Both A and R are true and R is not the correct explanation of A
C. A is true but R is false
D. A is false, but R is true

- Q1. **Assertion(A):** Reproduction is essential for the continuation of species. (1)
Reason (R): Organisms reproduce only through sexual mode of reproduction.
- Q2. **Assertion (A):** Internal fertilization takes place in hens. (1)
Reason (R): Hen is an oviparous animal.
- Q3. Write the difference between- (2)

| Parameters | zygote | foetus |
|------------|--------|--------|
| Formation | | |
| Location | | |

- Q4 Mention two differences between male and female gamete in humans based on their size and structure. (2)
- Q5. In a science class, students are learning about reproduction in animals. The teacher explains the reproductive processes of two very different organisms. Frogs undergo sexual reproduction with external fertilization whereas amoeba reproduces asexually by binary fission. The teacher asks the students to compare the reproductive processes of these two species and how their modes of reproduction help them survive in different environments.
 (a) How does aquatic habitat help frogs with external fertilization? (1)
 (b) Why does internal fertilization provide more protection to a developing embryo as compared to external fertilization? (1)
 (c) List any two differences between sexual reproduction in frogs and asexual reproduction in amoeba. (2)

Subject: Social Science

HISTORY

- Q1. Define history as a science. (1)
- Q2. How was the Battle of Plassey a turning point in Indian history? (1)
- Q3. On the political map of India locate and label two trading centres of the English, French. (2)
- Q4. Make a G.O. of the sources of information of the modern period. Explain any two in detail. (3)
- Q5. What do you understand by the system of 'Subsidiary Alliance'? (3)

CIVICS

- Q1. Mention any two provisions of the government of India to save its citizens from exploitation. (1)
- Q2. Define the term 'Federalism'. (1)
- Q3. Explain any two powers of the Parliament. (2)
- Q4. Mention any three points of difference between Lok Sabha and Rajya Sabha. (3)
- Q5. Mention the conditions under which the President can impose an emergency. (3)

GEOGRAPHY

- Q1. How is alluvial soil classified? (1)
- Q2. State any four industrial regions of India. (1)
- Q3. Distinguish between the agricultural practices in the developing countries and the developed country. (2)
- Q4. Explain how the farmers benefit from establishing factories generally located near the major towns. (3)
- Q5. Human resources are the most valuable resource in the contemporary world. Elaborate. (3)

Subject: Sanskrit

सामान्य निर्देश -

- 1 सर्वेषाम् प्रश्नानाम् उत्तरम् संस्कृतस्य कक्षाकार्यं पुस्तिकायाम् लिखत ।
- 2 सर्वेषाम् प्रश्नानाम् उत्तरम् क्रमानुसारम् लिखत ।
- 3 कार्यम् स्वच्छम् शुद्धम् स्पष्टम् लेखे च लिखत ।

प्रश्न 1 प्रदत्तं चित्रं दृष्ट्वा मञ्जूषायां प्रदत्त शब्दानाम् सहायतया चत्वारि वाक्यानि संस्कृते लिखत —

(1×4=4)

मञ्जूषा - वृक्षः , गृहम् , नीके , शुकौ , नदी , दृश्यम् , मनः , हरति , प्रवहति , हरीतिमा



प्रश्न 2 अधोलिखिते संवादे मञ्जूषायाः उचितपदानि चित्वा रिक्तस्थानानि पूरयतः

(1×4=4)

मञ्जूषा - शाकानि , पुत्र , कृत्वा , गृहकार्यम्

माता - [1].....! त्वम् किम् करोषि ?

पुत्रः - मातः, अहम् [2]..... करोमि ।

माता - उत्तम! किम् त्वम् आपणात् [3]..... आनेष्यसि ?

पुत्रः - मातः, अहम् गृहकार्यम् [4]..... अवश्यम् आनेष्यामि ।

माता - शोभनम् ।

प्रश्न 3 निम्न प्रश्नानाम् उत्तराणि उचित विकल्पम् चित्वा लिखत ।

(1×3=3)

(क) धातु रूपाणि लिखत —

- (i) 'भू' धातु- लृटलकारः, प्रथम पुरुषः, एकवचने उचित रूपम् किम् भवति?
(क) भविष्यति (ख) भवति (ग) भवन्ति
- (ii) 'कृ' धातु- लट् लकारः, उत्तम पुरुषः, द्विवचने उचित रूपम् किम् भवति?
(क) करोति (ख) कुर्मः (ग) कुर्वः
- (iii) 'इष्' धातु- लोट् लकारः, मध्यम पुरुषः, एकवचने उचित रूपम् किम् भवति?
(क) इच्छतम् (ख) इच्छाव (ग) इच्छ

(ख) शब्द रूपाणि लिखत

(1×3=3)

- (i) 'किम्' शब्द [पु०] षष्ठी विभक्तिः, बहुवचने उचित रूपम् किम् भवति ?
(क) कौ (ख) काभ्याम् (ग) केषाम्
- (ii) 'अस्मद्' शब्द द्वितीया विभक्तिः, एकवचने उचित रूपम् किम् भवति ?
(क) माम् (ख) अस्मान् (ग) वयम्
- (iii) 'युस्मद्' शब्द सप्तमी विभक्तिः, एकवचने उचित रूपम् किम् भवति ?
(क) त्वाम् (ख) युष्मान् (ग) त्वयि

प्रश्न 4

(क) अधोलिखितवाक्येषु उचितं अव्यय पदम् चित्वा रिक्त स्थानानि पूरयत —

(1×3=3)

- (i) यत्र वर्षा भवति हरीतिमा भवति ।
(क) तदा (ख) तव (ग) तत्र
- (ii) मम मित्रस्य विवाहः आसीत् ।
(क) अद्य (ख) ह्यः (ग) श्वः
- (iii) वृद्धाः चलन्ति ।
(क) शनैः (ख) तीव्रम् (ग) शीघ्रम्

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

(1×3=3)

- (i) वानरः लताम् (नश्+ क्त्वा) प्रसन्ना अभवत् ।
(क) नष्ट्वा (ख) नाशित्वा (ग) नाशाय
- (ii) मोहनः पुस्तकालयात् पुस्तकम् (आ+ दा+ ल्यप्) आगच्छति ।

(क) दत्त्वा (ख) आदाय (ग) प्रदाय

(iii) छात्राः (सेव् + तुमुन्) वृद्धाश्रमम् गच्छन्ति ।

(क) सेवीतुम् (ख) सेवायितुम् (ग) सेवितुम्

प्रश्न 5

(क) रेखांकित पदम् आधृत्य प्रश्नं निर्मायताम् -

(1×3=3)

(i) तयोः नित्यं प्रियं कुर्यात् ।

(ii) सावित्रीबाई समाजसुधारका आसीत् ।

(iii) मनुष्यः सत्यपूतां वाचं वदेत् ।

(ख) अधोलिखितम् शब्दयोः अर्थम् लिखत —

(1×2=2)

(i) परितोषः (ii) पाषाणखण्डानि

Subject: Computer Science

Answer the following questions: -

Q1. Find the output of the following program code.

(1x2=2)

a)

```
def f(x):
    y=x**x
    return y
print("testing...")
print("passing the value 4")
z=f(2)
```

b)

```
def power(x,n):
    p=x**n
    return p
print(power(3,3))
```

Q2. Name the following SDG Goals.

(1x3=3)



Q3. Answer the following questions.

(1x5=5)

- Explain in detail the different types of functions.
- What is function in Python? Write the components of the function.
- List any four advantages of functions.
- Write any two features of Python.
- What is the aim of the following SDG Goals? i) SDG 4 ii) SDG 15

Q4. Write the Python function programs for the following: -

(2x5=10)

- to calculate the simple interest
- to calculate the volume of cuboid
- to calculate the perimeter of the following: - a) Circle b) Rectangle
- to calculate the area of triangle
- to calculate the area of square

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

Upload the pdf of the practical on Microsoft Teams.

Q5. Draw an infographic on the 17 SDG Goals.

(5)

Use new.express.adobe.com

Login using your official school account.

Subject: Elementary Mathematics

Q1) Write in vertical columns and add:

(2)

a) $3.61 + 2.021$

b) $12.312 + 3.5 + 6.316$

Q2) Find the radius, if the diameter is

(2)

a) 12 mm.

b) 8 cm.

Q3) Find the diameter, if the radius is

(3)

a) 8.7 cm.

b) 3.5 cm

c) 4.2 cm.

Q4) With the help of a compass, construct circles of radius:

(3)

a) 3 cm.

b) 5.7 cm.


c) 2.5 cm.

Q5) A fruit seller sells the following fruits in a week:

(5)

| Fruits | Apple | Banana | Guava | Orange |
|---------------|-------|--------|-------|--------|
| No. of Fruits | 80 | 120 | 60 | 100 |

Answer the following questions:

a) Represent the above information pictorially when 1  represents 20 fruits.

b) How many oranges were sold in a week?

c) If the cost of 1 apple is ₹6, what is the cost of 80 apples.

d) How many fruits were sold in all in a week?

e) What is the difference between the maximum and minimum number of fruits sold?