



**Dr Virendra Swarup Education Centre, Unnao**  
**Summer Holiday Homework (2025 - 26)**  
**Class - VII**

**Instructions to be followed**

- Work should be done in the respective subject notebooks.
- Work should be done in a very neat and presentable manner.
- Questions must be done in the given sequence.

**ENGLISH**

1. Write a letter to the editor of a newspaper about frequent breakdown of electricity in your locality.
2. Write a short paragraph of about 150 to 200 words on 'A person you admire the most.'
3. Make a project or chart on Tenses with examples. Highlight the verbs.
4. Read Chapters 1,2 and 3 from the novel 'Oliver Twist' and write the summary in your own words.

**HINDI**

- 1) "स्वच्छता अभियान" पर आधारित दो स्लोगन लिखिए।
- 2) (रंगमंच पुस्तक से) निम्नलिखित कहानी पढ़कर उनका सार लिखिए और उस सार में आए हुए सर्वनाम, विशेषण, कारक शब्दों को छांटकर कोष्ठक बनाकर अलग लिखिए  
\*1) प्रायश्चित्त                      2) मंत्र\*

\*विशेष\* :- उपर्युक्त दिया गया कार्य हिंदी भाषा की कॉपी में किया जाएगा।

**MATHEMATICS**

1. Ravi went 12 meters below sea level while diving. Then he ascended 7 meters. After that, he descended again by 4 meters. What is his final position with respect to sea level?
2. Find the following fractions –  
i)  $\frac{8}{15}$  of an hour      ii)  $\frac{7}{12}$  of a litre      iii)  $\frac{3}{10}$  of a score
3. Two angles form a linear pair. One angle is 3 times the other. Find the other angles.
4. Sachin earns Rs.46215 every month. He donates  $\frac{1}{5}$ th of his salary to orphanage and  $\frac{1}{12}$ th of his remaining amount to the old age home. How much money is left with him?
5. In a class test, 5 marks are given for each correct answer and -2 for each wrong answer. Aaryan answered all the questions and scored 30 marks, though he got 10 correct answers. Find the number of questions Aaryan answered incorrectly.
6. A man spends  $\frac{7}{9}$  of its income and saves the rest. If he saves Rs 6426 per month, find his monthly income.
7. Sarla gave  $\frac{6}{7}$  of the toffee to kusum and Ambi. Out of these Ambi got  $\frac{1}{3}$  of the toffee. How much fractions of toffee did kusum get?
8. 75% of an angle is a complement of 50°. Find the angle.

9. Name all the eight angles of the given fig:

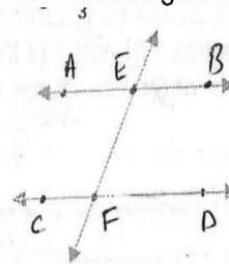
10. Find the angles if one angle is 20 diminished by three times the other angle and the angles form a linear pair .

11. An angle is 60 less than  $\frac{1}{3}$  of its supplement. Find the angle.

12. Calculate the value and find which is greater:

i)  $5^4$  or  $7^3$     ii)  $(-4)^6$  or  $(-5)^2$

13. The temperature in Siachen was recorded by mistake as  $-21^\circ\text{C}$  which was  $-25^\circ\text{C}$ . What is the difference between both the temperatures?



**Assertion Reason questions:**

Choose the correct option (14, 15)

A) Both Assertion and Reason are correct, and the Reason is the correct explanation of the Assertion.

B) Both Assertion and Reason are correct, but the Reason is not the correct explanation of the Assertion.

C) Assertion is correct, but the Reason is incorrect.

D) Assertion is incorrect, but the Reason is correct.

14- **Assertion:** The sum of two negative integers is always negative.

**Reason:** When we add a positive and a negative integer, the result is always negative.

15- **Assertion:** The decimal form of  $\frac{1}{4}$  is 0.25.

**Reason (R):** Dividing 1 by 4 gives the decimal 0.25.

**Case Study:**

16 Raj went to a petrol pump to fill petrol in his bike. The price of petrol was ₹106.45 per litre on that day. He asked the petrol pump attendant to fill 3.75 litres of petrol. Later, his friend Ramesh also filled 5.2 litres of petrol in his bike at the same rate.

Q1. What is the total cost of petrol filled by Raj?

Q2. What is the total cost of petrol filled by Ramesh?

Q3. What is the total amount spent by both Raj and Ramesh together?

Q4. If Raj gave ₹500 to the attendant, how much money did he get back?

Q5. If the price of petrol increases by ₹2.55 per litre the next day, what will be the new price per litre?

17. In a geometry class, students are studying lines and angles. They are given a set of intersecting lines forming various angles. The lines are labelled as follows:

Line 1: AB, Line 2: CD

the angles formed are:

$\angle AOC$ ,  $\angle AOD$

$\angle COB$ ,  $\angle BOD$

1) What type of angles are  $\angle AOC$  and  $\angle BOD$ ?

2). Are  $\angle AOC$  and  $\angle AOD$  complementary or supplementary?

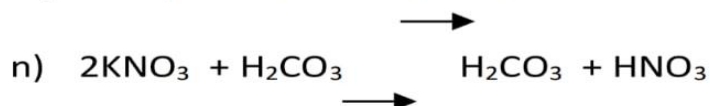
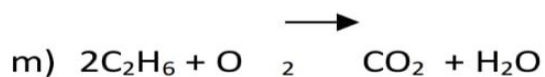
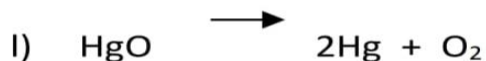
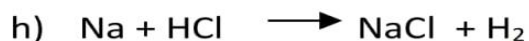
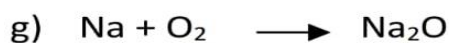
3). If  $\angle AOC$  measures  $65^\circ$ , what is the measure of  $\angle COB$  &  $\angle DOB$ ?

4) What is the sum of the measures of all four angles?



18- Prepare a chart or A4 sheet on any one of the topics: Integers/ fraction,/ Decimal/Exponents

## SCIENCE

**Q1. Balance the following chemical equations :**

Q2. Solve the following numericals:

a) An object is placed 50 cm in front of a plane mirror ? How far away is the image from the object.

b) A light ray makes an angle of  $30^\circ$  in the normal to a plane mirror . What is the angle of reflect in ?c) A light ray strikes a reflective plane surface at an angle of  $43^\circ$  with the plane surface.

1) Find the angle of Incidence

2) Find the angle of reflection.

3) Find the angle between the reflected.

d). A thermometer reads  $36^\circ \text{ F}$  What is this temperature in celcius?

e) . How much will the temperature of 68° F in celcius?

3 D working models are to be prepared by the students of the given size

Students have to choose any one model among the following given models.

- 1) 3D model of structure of atom.
- 2) Fire alarm. (Automatic)
- 3) Electric circuit (Parallel/Series)
- 4) Rain water harvesting
- 5) Food chain (3D model)
- 6) Food web
- 7) Ecosystem
- 8) Acid rain
- 9) Rope way working model
- 10) Escalator working model
- 11) Dam working model
- 12) 3D model of solar system
- 13) Hydraulic city
- 14) Pin hole Camera
- 15) Periscope and a plane surface.

Instructions

- For making above models you can use clay, waste paper crumbles, cardboard, packing boxes, wood, concrete etc.
  - The use of new materials should be avoided, reuse of old materials will be highly appreciated.
  - To make them working you have to use toy motor , a 9 V dc battery etc.
  - Model should have a proper cardboard base, showing the name of your model along with your name tag.
  - Include innovative and creative ideas to make your presentation a perfect one.
- \*The overall size of your model must be 50cm x 50cm
- \*Use of thermocol and plastic is strictly restricted.

### **SOCIAL STUDIES**

History:

Make a collage on the temples of South India built in medieval period on an A4 sheet.

Geography:

Make a 3 D model of interior of the Earth.

### **COMPUTER**

Make a project in your computer notebook with the help of internet ,search any 3 smart devices used in the following sectors : (Paste the picture of the devices,explain them in 2-3lines make it attractive)

- 1) Healthcare
- 2) Entertainment
- 3) Transportation