Summer Vacation Hw
Class VIII; Biology.

Q1. Define/
Explain the following Key words.
i) Cell (ii) Chromosomes (iii) genes (iv) Protoplasm
(v) tissue (vi) Cell organelles.

Q2. Give at least one function each of —
i) Mitochondria (ii) Golgi complex (iii) ribosomes
iv) Vacuole (v) nucleus vi) Chromoplasts vii) Nucleus

Q3. What are plastids? Explain the different types of plastids.
write one function of each of them.

Q4. ~~Wha Write the f~~ Define cell.
Name ~~any~~ the different organelles (any 6) of
the cell.

Q5 Classify the following into cell, tissue and organ.

Skin, fat cell, RBC, blood, ear, muscle, bone
WBC, finger, ~~nerves cell~~ egg, liver

Cell	Tissue	Organ.

Q6. List the advantages of having a cell wall as the
outermost boundary in cells.

Q7. To complete the crossword puzzle given in b.p. no 16.
(write it in cw copy.)

1. Prepare a Project file of the —
   (a) Concept map of force
   (b) Concept map of Pressure

2. On A-4 Sheet write the activities that
   (a) Liquid Pressure increases with depth
   (b) At the same level of liquid column, Liquid Pressure is same.

3. Write the factors on which pressure acting on a body depends. (Attach the sheet in the project file).

4. Write the properties of (a) Liquid pressure
   (b) atmospheric Pressure.

5. How does pressure depends on the 'thrust' and 'area of contact'.

6 write 5 examples where area of contact decides the magnitude of pressure acted, is depend.

Summer Vacation H.W
Class VIII
Sub: Chemistry.

Q1.(a)A black coloured substance M burns in air and forms a gas N. When N is mixed with water it forms O which turns blue litmus to red.

(i) Identify and ~~Name~~ name M, N and O.
(ii) What is the chemical nature of O?
(iii) Write balanced chemical equation to show the formation of N and O.

Q2 (a). Write the following metals in decreasing ord of their reactivity
Mg, Cu, Fe, Ca

(b). Some zinc granules are added to dilute sulphuric acid taken in a test tube.
Another test tube is inverted over the mouth of the first test tube

(i) What will you observe in the first test tube
(ii) What happens when a burning splinter is brought near the mouth of the inverted tube?

(c). Write the balanced chemical equation involved in the reaction.

Q3. "All ores are minerals but all minerals are not ores. Justify the statement by giving one example each.

DAV SR.SEC.PUBLIC SCHOOL, JHINGURDA

Holiday Home work- session -(202425)

Subject-English.   Class- VIII

Q-1- Write in short about the strategies which you have made to spend the holidays and also write how can you make it more productive in respect of English preparation.

Q.2-Write hundred verb forms from any grammar book which you have and learn it.

Q-.3- write the format of formal letter ,informal letter, notice ,message, article, diary entry ,speech writing, email ,and paragraph writing at least two times in your grammar copy.

Q.4- Describe your daily routine during the summer holidays by using present indefinite tense and also write all the tense structures.(72 structures of all the tenses)

Q.5- explain about the character sketch of the king and the hermit of chapter 1 in your own words and draw the Concept Map of chapter 1,2,3 in Literature reader.

Answer the following questions in Holiday HW copy.

1. India became a popular destination for whom in 17th Cent.

2. "The Age of Imperialism in India began with the weakening and disintegration of the Mughal Empire". Explain the statement.

3. What do you mean by Factories?

4. Name the things that were bought by the European traders at cheap rates from India.

5. Name the trading posts of East India Company in India.

6. Name the three presidency settlements of East India Company in India.

7. Mention the factors that helped the East India Company to start their rule in India?

8. What do you mean by Carnatic Wars?

9. Write a short note on Second Carnatic War.

10. What were the consequences of the Third Carnatic War?

11. Why did Siraj-ud-Daulah turned against the British?

12. Between whom and when was the Battle of Plassey fought.

13. Explain the consequences of the Battle of Plassey?

14. Mir Qasim was installed as the Nawab of Bengal by the British. Why did they turn against him?

15. Mention the consequences of the Battle of Buxar?

16. Who became the First Governor General of Bengal and when?

17. Name the territories occupied by Hyder Ali.

18. What was the result of the Second Anglo-Mysore War?

19. Write a short note on the Fourth Anglo-Mysore War.

20. Suggest any five ways to reduce the wastage of resources.

21. "The use of resources varies from one country to another". Justify the statement.

22. How can you say that India has an Independent Judiciary?

23. What do you mean by Universal Adult Franchise?

24. What do you mean by 'Rule of Law'? Explain.

25. Why Preamble is called the 'Soul of the Indian Constitution'?

कक्षा आठवीं   विषय -हिन्दी
ग्रीष्मावकाश हेतु गृह कार्य

प्र०1 दिए गए शब्दों पर अनुस्वार या अनुनासिक का चिह्न लगाएँ—
अंगूर, संवाद, जाऊँगा, मंजिल, पसंद, भावनाएँ

प्रश्न:2 उचित जगह पर 'र' के विभिन्न रूपों का प्रयोग करें।
धम, शम, गह, वत, कम, राष्ट, डामा

प्रश्न:3 नीचे दिए गए शब्दों के समान अर्थ वाले शब्द लिखिए—
गगन, जल, तरु, अरमान, किरण, विघ्न

प्रश्न4 दस तत्सम शब्द लिखकर उसके तद्भव रूप लिखें।

प्रश्न-5 नीचे दिए गए मुहावरों के अर्थ लिखकर वाक्यों में प्रयोग करें।
फूला न समाना, कान भरना, दंग रह जाना, उल्लू सीधा करना

प्रश्न-6 इक, आऊ, ई, आहट, ईला, इन, आई, कार प्रत्ययों से
दो-दो शब्द बनाएँ।

प्रश्न-7 अ, अव, आ, अन, अप, उप, कु, बे, ला उपसर्गों से एक-एक
शब्द बनाइए।

प्रश्न-8 अलंकार के भेद और एक-एक उदाहरण लिखिए।

प्रश्न-9 'गर्मी की छुट्टी का सदुपयोग' विषय पर 60 शब्दों में
अनुच्छेद लिखें।

प्रश्न10- 'प्रेरक' या आदर्श व्यक्ति पर 100 शब्दों में अनुच्छेद
लिखिए।

ग्रीष्मावकाश-गृहकार्यम्

1-शब्दरूपाणि-राम, लता, फल (स्मरित्वा लिखन्तु च)

2-सर्वनाम् रूपाणि - तत्, किम् (त्रिषु लिंगेषु स्मरित्वा लिखत)

3-प्रथमःपाठःएवं द्वितीयःपाठान्तर्गते आगतानां विशेष्य - विशेषणानां सूचीं निर्मीय लिखत।

4-प्रथमपाठतः पर्यायपदं चित्वा लिखत-

क-चेतः - ....

ख- निरामयाः - ....

ग- वाचि -...........

घ- धीराः -...........

ङ- सन्तः -..........

5-संधि संधि- विच्छेदं वा कुरुत-

क - देव+आलयः =...............

ख- दयानन्दः   =........ +........

ग- सिंधु+ ऊर्मिः =...................

घ- गङ्गोदकम् =.........+.........

ङ- महा + ईशः =.................

6- प्रत्ययं संयोज्य विभज्य वा लिखत-

क - गम् + क्त्वा =..............

ख- दृश् +क्त्वा =..............

ग- प्र+नम्+ल्यप् =.............

घ- सम्पठ्य   =.... +.... +.....

7- उपसर्गान् संयोज्य विभज्य वा लिखत-

क - अधि + आस्ते =............

ख- अभि + आसम् =...........

ग- अनुवदति =....... +.........
घ- अधिपतिः =........ +..........
ङ- आगच्छति =....... +.........

7-स्थूलपदमाधृत्य प्रश्ननिर्माणं कुरुत

क- उत्तमाः **मानम्** इच्छन्ति।

ख- **नीतिनिपुणाः** स्तुवन्तु निन्दन्तु वा।

ग- एकदा **ग्रीष्मकाले** सर्वत्र शुष्कम् अभवत्।

घ-**चटकायाः** गृहम् अपि नष्टम् अभवत्।

ङ-चटका **काकं** कथयति।

Chapter-1

Squares and Square Roots

1. Which of them is a perfect square?

    a) 576   b)941   c)65   d)none

2. Which of the following is not a perfect square?

    a)62500   b)57600   c)90000   d)63147

3. Which of the following will have 4 at units place?

    a)14^2 b)62^2 c)27^2 d)35^2

4. By observing the digits at ones place ,tell which of the following can be perfect square

    a)100   b)927   c)625   d)576

5. If one number of the Pythagorean triplet is 2m then the other two are

    a)m, m^2+1   b)m^2+1,m^2-1   c)m^2,m^2+1   d)m , m^2

6. How many natural numbers lie between 5^2and6^2?

    a)9   b)10   c)11   d)12

7. Which of the following triplets are Pythagorean?

    a)(8,15,17)   b)(12,35,38)   c) (14,48,51)

8. Which of the following is the square root of 7056?

    a) 86   b) 34   c) 54   d) 84

9. Find the squares of the following numbers

    i)25   ii)30   iii)12

10. Find how many non-square number lie between the following pair of numbers

    i)100 and121   ii)$8^2$and 9^2 iii)30^2and31^2

11. Find the square root of the following numbers by repeated subtraction method

    i) 9   ii)121   iii)225   iv)196

12. Find the square root by prime factorisation

    i) 64   ii)289   iii)36   iv)1764

13. Can a right triangle with sides 6cm, 8cm and 10cm be formed, give reason.

14. Find the smallest number by which 147 must be multiplied so that it becomes a perfect square.

    Also, find the square root of the number so obtained.

Chapter-2

Cubes and Cube Roots

1. The cube of 11 is

   a)1331   b)3113   c)1313   d)3131

2. The number of zeros in the cube of 1000

   a)2   b)4   c)9   d)10

3. The cube of (--21) is

   a)9261   b)—9261   c)—2961   d)—9216

4. The cube roots of 63x73 is

   a)216   b)—42   c)42   d)—216

5. The cube root of $\frac{-64}{125}$ is

   a)$\frac{8}{5}$ b) -$\frac{8}{5}$ c)-$\frac{4}{5}$ d)$\frac{4}{5}$

6. Given that $\sqrt[3]{x} = -6$ then x is

   a)216   b)18   c)—18   d)—216

7. Given that 512=8^3, 3.375= 1.5^3, find the value of $\sqrt[3]{512} \times \sqrt[3]{3.375}$

   a)12   b)9.5   c)8   d)1.5

8. Write the cubes of all natural numbers between 1 and 20 and verify the following statements

   a) Cubes of all odd natural numbers are odd.

   b) Cubes of all even natural numbers are even.

9. Write cubes of 5 natural numbers which are multiples of 3 and verify the cube of natural number, which is multiple of 3 is multiple of 27.

10. Write cubes of 5 natural numbers of the form 3n+1(e.g. 4,7,10) and verify that the cube of natural number of the form 3n+1 is natural number of same form.

11. Which of the following are perfect cube

    i)1728   ii) 106480.

12. Which is the smallest number by which 392 must be multiplied so that the product is a perfect cube?

13. What is the smallest number by which 8640 must be divided so that the quotient is a perfect cube?