

**Topic-Mode of nutrition in plants**

**Points To Remember:**

- Carbohydrates, proteins, fats, vitamins and minerals are essential components of food, these components are called nutrients.
- And animals are dependent directly or indirectly on plants for food.
- Nutrition is the mode of taking food by an organism and its utilization by the body.
- Green plants are called autotrophs as they prepare their own food from simple substances.
- Animals and most other organisms are called heterotrophs as they take in ready-made food prepared by the plants.
- The synthesis of food in plants occurs in leaves.
- Photosynthesis can be carried out in presence of chlorophyll, sunlight, carbon dioxide, and water.
- Complex chemical substances like carbohydrates are the products of photosynthesis.
- Pitcher plants and Venus flytraps are insectivorous plants.
- Fungi derive nutrition from dead and decaying matters they are called saprotrophs.

Go through the below links, it will help you to understand the Ch-Nutrition in plants in a better way.

And the following questions:

<https://youtu.be/aBghNAghCYY>

<https://youtu.be/VwA-874cRag>

<https://youtu.be/Q96qKArCGe4>

<https://youtu.be/B8QzwdJ5Mzk>

1.	<p>Fill in the blanks.</p> <p>a) Plants prepare their food by using raw materials present in _____.</p> <p>b) _____ helps leaves to capture the energy of sunlight.</p> <p>c) During photosynthesis plants take in _____ and releases _____.</p> <p>d) Lichen is a symbiotic association between _____ and fungi.</p>
2.	<p>State true and false.</p> <p>a) Sun is the ultimate source of energy for all living organisms.</p> <p>b) Carbon dioxide is released during photosynthesis.</p> <p>c) During photosynthesis solar energy is converted into chemical energy.</p> <p>d) Animals are autotrophs.</p>
3.	<p>Choose the correct option.</p> <p>a) In saprotrophic mode of nutrition organisms take in nutrients from  i) Oxygen mask            ii) Water mask            iii) Pollution mask            iv) None of these</p> <p>b) Where we can see Rhizobium bacteria?  i) Dead matter            ii) Decaying matter            iii) Both a and b            iv) None of these</p> <p>c) Amarbel is an example of  i) Parasite            ii) Host            iii) Autotrophs            iv) Saprotrophs</p> <p>d) The product of photosynthesis is  i) Carbohydrate            ii) Protein            iii) Fats            iv) All of these</p>
4.	<p>Answer the following questions in one word.</p> <p>a) Name a plant that has both autotrophic and heterotrophic mode of nutrition.</p> <p>b) Name a parasitic plant with yellow, slender and tubular type of stem.</p> <p>c) Name the pores present in leaves through which exchange of gas takes place.</p> <p>d) Name the organism responsible for converting atmospheric nitrogen into soluble forms.</p> <p>e) Name the edible fungi.</p>

- f) Some organisms live together and share shelter and nutrients, name the type of relationship.
- g) Name the food factories of plants.
- h) Name the tiny pores present on the surface of leaves.
- i) Name the green pigment present in leaves.

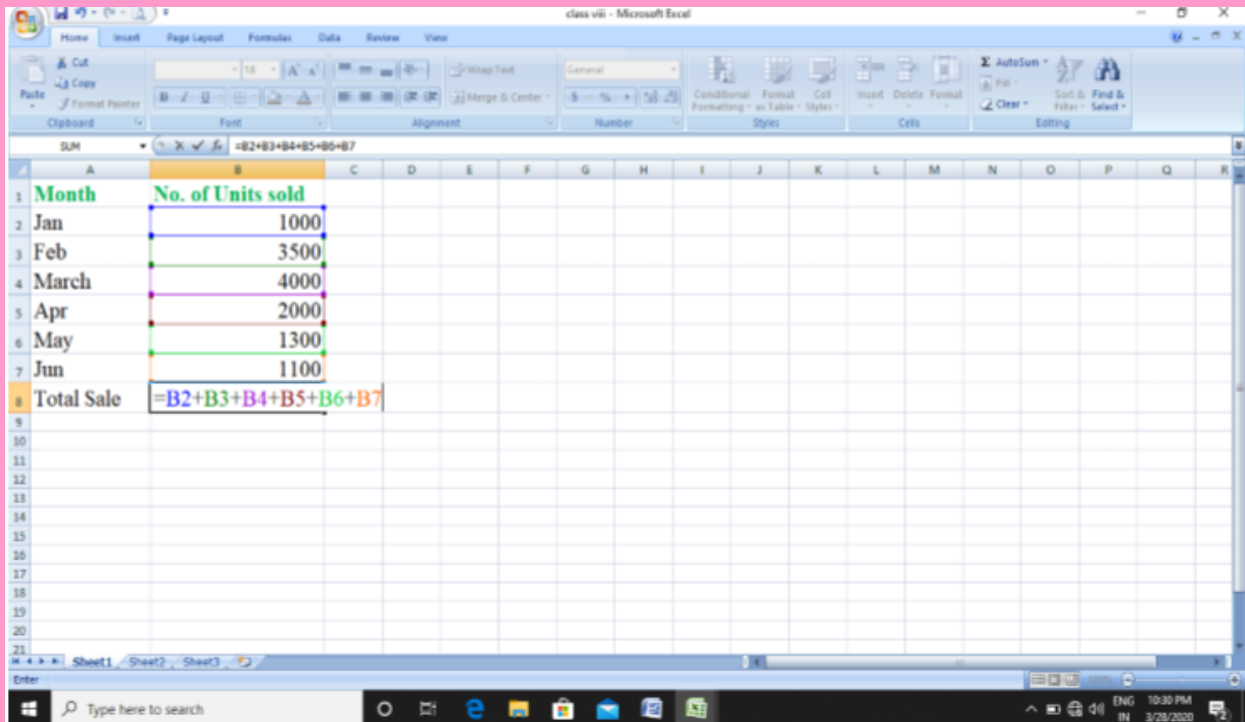
5. Match column-I with column-II

<b>Column- I</b>	<b>Column-II</b>
<b>Chlorophyll</b>	<b>Rhizobium</b>
<b>Nitrogen</b>	<b>Heterotrophs</b>
<b>Cuscuta</b>	<b>Pitcher plant</b>
<b>Animals</b>	<b>Leaf</b>
<b>Insects</b>	<b>Parasite</b>

**ST.THOMAS SCHOOL ,SAHIBABAD**  
**SUBJECT -COMPUTER**  
**CH-2 MS EXCEL-FORMULAS AND FUNCTIONS(WORKSHEET 3)**  
**CLASS VII**

### CREATING A BASIC FORMULA

Basic formula involves only one type of operator in it. We can understand it with the help of calculation of sum of the numbers in B2, B3, .....B7 cells and display the result in B8 .



Type the formula in cell B8 and press Enter key. We get the sum of No. of Units sold .

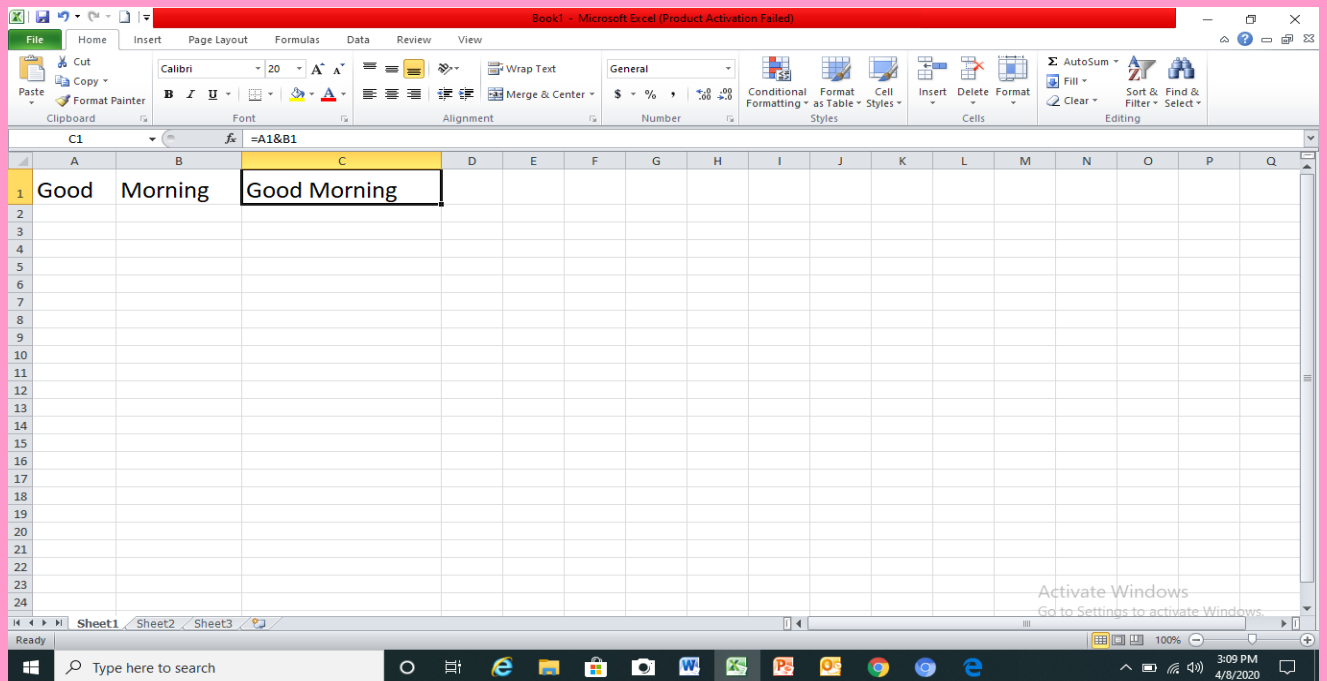
### USING FORMULA ON TEXT

We can also perform addition on character and string data type. The ampersand symbol(&) is used to perform addition .Addition of two or more text values is called Concatenation .

Eg :

- Enter any string type value in cell A1 and B1 say “Good ”in A1 and “Morning ” in B1 .
- Enter the formula = A1 & B1 in cell C1 and press enter key.

- It will display GoodMorning in cell C1 .



### EXERCISE:

1. Fill in the blanks:

- a) Formulas are used to perform \_\_\_\_\_ .
- b) The \_\_\_\_\_ character is used for concatenation of strings.

2. What is Concatenation? Explain with the help of an

*Note : Do the above exercise in rough notebook / any unfinished old notebook .*

Note: Copy the questions and write the answers in your note-books.

Q.1.



Teaching Resources

Date: \_\_\_\_\_

## Past Simple Tense

Fill in the sentences with the correct form (past simple) of the appropriate verb.

- 1) Mum \_\_\_\_\_ (wash up) after lunch.
- 2) The maid \_\_\_\_\_ (make) the beds in the rooms.
- 3) It \_\_\_\_\_ (rain) a lot yesterday.
- 4) The boys \_\_\_\_\_ (fight) after school.
- 5) The fortune teller \_\_\_\_\_ (tell) me my future.
- 6) Dave \_\_\_\_\_ (eat) a slice of pizza.
- 7) The couple \_\_\_\_\_ (watch) TV last night.
- 8) Tim \_\_\_\_\_ (sit) the table.
- 9) Dad \_\_\_\_\_ (read) a fairy tale to his children.
- 10) Dave \_\_\_\_\_ (have) a bath.
- 11) The ambulance \_\_\_\_\_ (take) the injured man to the hospital.
- 12) Owen \_\_\_\_\_ (do) the homework.
- 13) Fred \_\_\_\_\_ (catch) a cold yesterday.
- 14) Jane \_\_\_\_\_ (dance) in the disco last weekend.
- 15) The couple \_\_\_\_\_ (sit) on the bench in the park.
- 16) Daisy \_\_\_\_\_ (skip) the rope in the garden?
- 17) Anne \_\_\_\_\_ (sleep) on her homework.
- 18) The young lady \_\_\_\_\_ (lie) on the beach.
- 19) Mary \_\_\_\_\_ (drop) the litter into the recycling bin.
- 20) Tom \_\_\_\_\_ (sell) lemonade.
- 21) Joe \_\_\_\_\_ (cut) the paper into smaller pieces.
- 22) The family \_\_\_\_\_ (go) on holiday on Monday.
- 23) The bus driver \_\_\_\_\_ (drive) the bus to the station.
- 24) Robert \_\_\_\_\_ (hang) a birdhouse on the tree.
- 25) Paul and James \_\_\_\_\_ (give) presents to each other.
- 26) The lorry driver \_\_\_\_\_ (change) the wheel of the lorry.
- 27) Jasmine \_\_\_\_\_ (play) the piano.
- 28) Hanna \_\_\_\_\_ (study) for the test at home.
- 29) Leila \_\_\_\_\_ (swim) in the sea.
- 30) Kyle \_\_\_\_\_ (run) home.

## Past Simple

Fill in the gaps with the right form of the verbs in brackets.

1. Daisy \_\_\_\_\_(bring) some chocolates to the birthday party.
2. I \_\_\_\_\_ (hear) a new song on the radio.
3. Peter \_\_\_\_\_ (read) three books last week.
4. The Smiths \_\_\_\_\_ (speak) Italian to the waitress.
5. Peter \_\_\_\_\_(understand) during the class.
6. My mother \_\_\_\_\_(forget) to buy some milk.
7. Susan \_\_\_\_\_(have) a baby in August.
8. We \_\_\_\_\_(lose) our keys last Friday.
9. They \_\_\_\_\_(swim) 500m yesterday afternoon.
10. I \_\_\_\_\_(give) my mother a CD for her birthday.
11. At the age of 23, she \_\_\_\_\_(become) a teacher.
12. I \_\_\_\_\_(know) the answer yesterday.
13. Peter \_\_\_\_\_(tell) me that he lived in New York.
14. We \_\_\_\_\_(lend) John €200.
15. She \_\_\_\_\_(drink) too much coffee yesterday.
16. The children \_\_\_\_\_(sleep) in the car.
17. He \_\_\_\_\_(keep) his promise.
18. We \_\_\_\_\_(choose) the steak for dinner.
19. The film \_\_\_\_\_(begin) late.
20. They \_\_\_\_\_(fly) to Madrid.
21. We \_\_\_\_\_(drive) to Edinburgh.
22. Mrs. Black \_\_\_\_\_(teach) English at the University.
23. They \_\_\_\_\_(send) me an e-mail earlier.
24. We \_\_\_\_\_(leave) at 7 a.m.

Q.3. Choose the correct word.

1. .... do you live? a. Who b. When c. Where d. How long	2. .... have you lived there? a. Why b. When c. Where d. How long	3. .... do you live with? a. Who b. When c. Where d. How much	4. .... people are there in your family? a. How much b. How many c. How long d. Which
5. .... do you get to school? a. Who b. How c. Where d. How often	6. .... 's your mother's name? a. Who b. When c. What d. Why	7. .... is your birthday? a. Who b. When c. Where d. How many	8. .... do you do on your birthday? a. Who b. What c. Where d. Why
9. .... are your hobbies? a. What b. Why c. When d. How many	10. .... 's your phone number? a. What b. Which c. Where d. How much	11. .... 's your email address? a. Who b. What c. Where d. How long	12. .... are you? a. How long b. How high c. How tall d. How much
13. .... do you go to the cinema? a. Who b. When c. How many d. How often	14. .... do you usually do on Sundays? a. Who b. When c. What d. How long	15. .... colour do you like most? Red or green? a. Why b. Where c. Which d. How many	16. .... teeth do you have? a. How many b. How long c. How much d. How often
17. .... cousins do you have? a. How long b. How many c. How much d. How tall	18. .... do you live from here? a. How long b. How close c. How much d. How far	19. .... does a cinema ticket cost? a. How many b. How long c. How much d. How often	20. .... did this interview take? a. Where b. When c. How much d. How long



दिनांक -----

सेंट थॉमस स्कूल साहिबाबाद

कक्षा- 7 अभ्यास कार्य- ४

विषय- हिंदी

राजस्थान में जैसलमेर नामक एक राज्य था | उस जगह के राजा का नाम रतन सिंह था एक बार राजा अपने दुर्ग में नहीं था | वो सेना को साथ लेकर कहीं दूर गये हुए थे | इस राज्य में यदि कोई राज घराने का उत्तरदायी व्यक्ति था , वह रतन सिंह की पुत्री रत्नावली थी | इस समय दिल्ली पर अलाउद्दीन खिलजीका शासन था | उसने अपने सेनापति मलिक काफूर को जैसलमेर किले पर चढ़ाई करने का हुक्म दिया | मलिक काफूर सेना लेकर आ गया और उसने जैसलमेर के दुर्ग को चारो ओर से घेर लिया | रत्नावली ने पुरुष वेश धारण किया और बचे – कुचे सिपाहियों के साथ किले की रक्षा करने को तैयार हो गयी | किले को घेर कर भी मलिक काफूर उसे जीत नहीं सका |

प्रश्न १ उपर लिखे गद्यांश को पढ़कर नीचे लिखे प्रश्नों के उत्तर दीजिये |

- १ जैसलमेर राज्य कहा था ?
- २ जैसलमेर के राजा का क्या नाम था ?
- ३ जैसलमेर के किले पर चढ़ाई किसने की ?
- ४ रतनसिंह की अनुपस्थिति में उत्तरदायी कौन था ?
- ५ रत्नावली ने कौन –सा वेश धारण किया?
- ६ पुरुष शब्द से भाववाचक संज्ञा बनाओ|

प्रश्न २ निम्नलिखित शब्दों के दो –दो पर्यायवाची शब्द लिखिए|

- १ रक्त -----
- २ मोर -----
- ३ वस्त्र -----
- ४ सब -----
- ५ घमंड -----

प्रश्न ३ निम्नलिखित शब्दों के लिंग बदलिए ।

१ छात्र ----- २ बंदर -----

३ आदरणीय ----- ४ महोदया -----

५ पूज्य ----- ६ दर्जी -----

नोट: सभी छात्र अभ्यास कार्य अलग कॉपी पर दिनांक अनुसार करेंगे ।

**ST THOMAS SCHOOL SAHIBABAD**  
**SUBJECT – MATHEMATICS**  
**WORKSHEET – 4 (2020–21)**  
**CLASS – VII**  
**TOPIC - DECIMALS**

**KEY POINTS:**

- Every decimal number has two parts, a whole number/integral part and a decimal part. These two parts are separated by a dot (.) called decimal point.

- One-tenth means one part out of 10 equal parts. One-tenth is written as  $\frac{1}{10}$ .

$$0.1 = \frac{1}{10} = \text{one-tenth}$$

- One-hundredth means one part out of 100 equal parts. One-hundredth is written as  $\frac{1}{100}$ .

$$0.01 = \frac{1}{100} = \text{one-hundredth}$$

- One-thousandth means one part out of 1000 equal parts. One-thousandth is written as  $\frac{1}{1000}$ .

$$0.001 = \frac{1}{1000} = \text{one-thousandth}$$

Q.1 Fill in the blanks :

- If one is divided into 100 equal parts, each part is \_\_\_\_\_
- 34 ml = \_\_\_\_\_ L
- Sixty one and three thousandth = \_\_\_\_\_
- Place value of 6 in 42.056 is \_\_\_\_\_
- 3470 g = \_\_\_\_\_ kg
- 4 kg 200 g = \_\_\_\_\_ Kg

Q.2 Write the decimal number for the following:

a)  $40 + 1 + \frac{2}{1000}$                       b)  $10 + 3 + \frac{1}{10} + \frac{4}{100} + \frac{1}{1000}$

Q.3 Write the following decimals in the expanded form:

a) 305.03      b) 2.034      c) 74.305      d) 567.002

Q.4 Write the place value of 5 in the following decimals:

a) 5.26      b) 51.37      c) 10.52      d) 74.253

Q.5 How much less is 58 km than 92.5 km.

Q.6 Fill in the blanks with >, < or = .

- a) 0.7 \_\_\_\_\_ 0.07                      b) 3.02 \_\_\_\_\_ 3.20  
c) 0.9 \_\_\_\_\_ 0.99                      d) 8.08 \_\_\_\_\_ 0.80

Q.7 Subtract 312.987 from 500.87

Q.8 Convert the following:

a) 45 mm in cm, m and km.

b) 6 kg 8 g in kg.

Q.9 Simplify:

a)  $0.67 + 0.006 + 6.007 + 0.7$

b)  $909 - 606.666$

Q.10 Raj went from place A to place B and from there to place C. A is 9.5 km from B and B is 13.7 km from C. Anil went from place A to place D and from there to place C. D is 9.3 km from A and C is 12.8 km from D. Who travelled more and by how much?

Note:- Do the worksheet in a separate notebook or A-4 sheets if the notebook is not available.