



**SANT NISCHAL SINGH PUBLIC SCHOOL  
LADWA**

# HOLIDAYS HOMEWORK (2024-25)

**CLASS VII**



# ENGLISH

- \* Make a poster on A4 sheet to raise awareness about Ecotourism.(Pg. no.160 of literature book)
- \* Write the summary of lesson 3 'The Queen Bee' on A4 size sheet.
- \* Do comprehension practice 1 to 5 in BBC module one.
- \* Scan QR code given on pg.no.81,122 of English literature book and do as directed in book.
- \*Based on your own ideas, create a story on the given situation. (bring it in pen drive)
  - When I dialled 100 by mistake and the police came rushing to my house.....  
(R.No. 1-15)
  - When I got a chance to become the Prime Minister of India for one day.....  
(R.No.16 onwards)
- \* Make a chart on 'Adverbs'(R.No1- 10) **SEC -A**
- \*Make a chart on 'Tense' (R. No 1-10) **SEC -B**
- \*make a chart on 'Adjective' (R.No 1-10) **SEC -C / D**
- \*Portfolio work: Write at least 15 difficult words along with their meaning of lesson 4 Making Mother Earth Green and Lesson 5 Lost in the Internet on A4 size sheet.
- \* Art integrated work: Write on Culture, Tradition and Food habits of Manipur along with Haryana on A4 size sheets.



# हिंदी

1. महाभारत सार में से किन्ही पाँच पात्रों की सचित्र जानकारी A4 sheet पर लिखिए।
2. भारत के विभिन्न राज्यों में पाए जाने वाले पक्षियों पर एक कोलाज तैयार कीजिए।
3. हरियाणा और मणिपुर की कला और संगीत का अंतर स्पष्ट करते हुए सचित्र वर्णन कीजिए।



# MATHS

**Art Integrated project:-** Compare the weather data for the month of June in Haryana and Manipur Collect the report and make the project. Draw the graph by making table for one week report.

**Activities:-** 1) know about story of Pi

2) Watch movies Ramanujan and “The Man Who Knew Infinity” and write the parts of the movies which you like the most.

3) Mathematicians who have won Nobel/ Able’s medal and write about any five of them.

**Maths-** Do the following Worksheet on A4 Sheets in neat and clean Handwriting.

And Revise all the work done in class.

## Properties of Addition of Integers

1. Write the name of the property used.

(a)  $(-8) + (-3) = (-3) + (-8)$

(b)  $5 + 0 = 5 = 0 + 5$

(c)  $4 + (-4) = (-4) + 4 = 0$

(d)  $2 + [(-3) + (-4)] = [2 + (-3)] + (-4)$

2. Add.

(a)  $47 + 93 =$  \_\_\_\_\_

(b)  $-11 + (-86) =$  \_\_\_\_\_

(c)  $100 + (-40) =$  \_\_\_\_\_

(d)  $-55 + 45 =$  \_\_\_\_\_

(e)  $-701 + (-701) =$  \_\_\_\_\_

(f)  $1000 + (-2000) =$  \_\_\_\_\_

(g)  $|-40| + |-50| =$  \_\_\_\_\_

(h)  $|-63| + |27| =$  \_\_\_\_\_

3. Fill in the blanks.

(a) The sum of two integers is always an \_\_\_\_\_

(b) Two integers can be added in any order means that addition is \_\_\_\_\_ for integers.

(c) The additive identity for an integer is \_\_\_\_\_

(d)  $[(-6) + (-5)] +$  \_\_\_\_\_  $= (-6) + [$  \_\_\_\_\_  $+ 1]$

(e)  $-555 +$  \_\_\_\_\_  $= -555$

(f) The sum of an integer and its additive inverse is \_\_\_\_\_

(g) The additive inverse of  $-1$  is \_\_\_\_\_

(h) If  $+16$  m represents going 16 m to the north, \_\_\_\_\_ m represents going 16 m to the south.

(i) The additive inverse of the greatest negative integer is \_\_\_\_\_

(j) The opposite of  $-32$  is \_\_\_\_\_

4. Solve these problems.

(a) The scores of Team A and Team B in five successive rounds of a quiz are as follows. Team A: 9,  $-1$ , 14,  $-12$  and 25; Team B: 10,  $-8$ , 12,  $-5$  and 21. Which team scored more?

(b) If  $a = -8$ ,  $b = 4$  and  $c = -1$ , verify  $a + (b + c) = (a + b) + c$ .

(c) Find the value of  $x$ .

(i)  $x + 7 = 0$

(ii)  $-2 + x = 0$

(d) Simplify  $-75 + 15 + 10$ .

### Quick Tip

Positive + Positive = Positive  
Negative + Negative = Negative

### Quick Tip

Subtract and put the sign of the bigger integer with the result obtained.

## Properties of Subtraction of Integers

### 1. Select the correct option.

- (a) The value of  $(-7) - (-9)$  is  
 (i) -2. (ii) 2. (iii) 16. (iv) -16.
- (b) The value of  $(-9) - (-4)$  is  
 (i) 5. (ii) -13. (iii) 13. (iv) -5.
- (c) The value of  $(-5) - (-8)$  is  
 (i) 3. (ii) -13. (iii) 13. (iv) -3.
- (d) The value of  $27 - (-18)$  is  
 (i) -45. (ii) -9. (iii) 45. (iv) 9.
- (e) The integer obtained when the greatest negative integer is subtracted from the smallest positive integer is  
 (i) -2. (ii) 0. (iii) 1. (iv) 2.

### 2. Subtract.

- (a) 32 from 29 \_\_\_\_\_ (b) -55 from 95 \_\_\_\_\_
- (c) 40 from -80 \_\_\_\_\_ (d) -61 from -60 \_\_\_\_\_
- (e) The sum of 42 and -6 from the sum of -42 and 6 \_\_\_\_\_
- (f) -77 from the sum of -7 and -70 \_\_\_\_\_
- (g) The sum of 1320 and -2020 from -809 \_\_\_\_\_

### 3. Fill in the blanks.

- (a)  $16 - (-4) - \underline{\hspace{2cm}} = 87$  (b)  $(-21) - (-10) = \underline{\hspace{2cm}}$
- (c)  $(-15) - 5 = \underline{\hspace{2cm}}$  (d)  $0 - (-845) = \underline{\hspace{2cm}}$
- (e) The properties that are not true for the subtraction of integers are \_\_\_\_\_ and \_\_\_\_\_
- (f) If the difference of an integer  $a$  and  $(-5)$  is  $-2$ , the value of  $a$  is \_\_\_\_\_

### 4. Solve these problems.

- (a) Manav travelled 54 km to the east and then 92 km to the west from that point. How far was he from his initial position?
- (b) Rachna deposited ₹5320 in her account on Monday and withdrew ₹3895 on Tuesday. What was the balance left in her account?
- (c) A submarine is 4936 m below sea level. If it ascends by 2000 m, what is its new position below sea level?

### Get it Right!

Subtract -8 from -5.

$$\begin{array}{ll} \checkmark & \times \\ -5 - (-8) & -5 - (-8) \\ = -5 + 8 = 3 & = -5 - 8 = -13 \end{array}$$

↑ To subtract integer  $b$  from integer  $a$ , add the additive inverse of  $b$  to  $a$ .

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## Multiplication of Integers: Properties of Multiplication of Integers - I

### 1. Find.

- (a)  $6 \times (-19)$  (b)  $12 \times (-32)$  (c)  $7 \times (-22)$
- (d)  $15 \times (-16)$  (e)  $21 \times (-32)$  (f)  $(-42) \times 12$
- (g)  $-55 \times 15$  (h)  $(-31) \times (-100)$  (i)  $(-25) \times (-72)$
- (j)  $(-83) \times (-28)$

### 2. Find and check.

- (a) Is  $10 \times [(6 + (-2))] = 10 \times 6 + 10 \times (-2)$ ?
- (b) Is  $(-15) \times [(-7) + (-1)] = (-15) \times (-7) + (-15) \times (-1)$ ?

### 3. Find using the distributive property.

- (a)  $(-49) \times 18$  (b)  $(-25) \times (-31)$  (c)  $70 \times (-19) + (-1) \times 70$

### 4. Fill in the blanks.

- (a)  $-4 \times \underline{\hspace{2cm}} = 36$  (b)  $-1 \times \underline{\hspace{2cm}} = 1000$  (c)  $-605 \times \underline{\hspace{2cm}} = -605$
- (d)  $\underline{\hspace{2cm}} \times (-189) = 0$  (e)  $\underline{\hspace{2cm}} \times (-14) = 14$  (f)  $\underline{\hspace{2cm}} \times (-8) = (-8) \times 45$
- (g)  $[6 \times (-20)] \times 9 = 6 \times [\underline{\hspace{2cm}} \times 9]$
- (h)  $[8 \times \underline{\hspace{2cm}}] \times (-7) = 8 \times [(-3) \times \underline{\hspace{2cm}}]$

### 5. Put $>$ , $<$ or $=$ in the $\bigcirc$ .

- (a)  $86 - 40 \times 15 \bigcirc (86 - 40) \times 15$
- (b)  $[(-16) + (-21)] \times (-53) \bigcirc (-16) \times (-53) + (-21) \times (-53)$
- (c)  $[(-67) - 11] \times (-9) \bigcirc (-67) - 11 \times (-9)$

### 6. Solve these problems.

- (a) A test paper contains 10 questions. 4 marks are awarded for each correct answer, -1 mark for each wrong answer and 0 marks for the question not attempted.
- (i) Ramesh gets five correct answers, four wrong answers and one question is not attempted. What is his score?
- (ii) Reena gets five correct answers and five wrong answers. What is her score?
- (b) The temperature recorded at 12 noon was  $24^\circ\text{C}$  above zero. If it decreases at the rate of  $2^\circ\text{C}$  per hour until midnight, at what time would the temperature be  $4^\circ\text{C}$  above  $0^\circ\text{C}$ ?

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## Multiplication of Integers: Properties of Multiplication of Integers – 2

1. Find the product by suitable grouping.

- (a)  $(-17) \times (-10) \times 8$  (b)  $(-20) \times 6 \times (-5)$   
 (c)  $(-1) \times (-4) \times (-7) \times (-5)$  (d)  $25 \times (-37) \times (-4)$   
 (e)  $8 \times 26 \times (-125)$  (f)  $(-16) \times 75 \times (-4) \times (-1)$

2. Find the product using a suitable property.

- (a)  $1982 \times (-16) + (-1982) \times 84$   
 (b)  $3657 \times 99 - (-3657)$   
 (c)  $5792 \times 983 - 4792 \times 983$

3. Verify.

- (a)  $34 \times (-28) = (-28) \times 34$   
 (b)  $8 \times [9 \times (-5)] = (-5) \times (8 \times 9)$   
 (c)  $21 \times [8 + (-2)] = 21 \times 8 + 21 \times (-2)$   
 (d)  $(-35) \times [(-9) + 11] = (-35) \times (-9) + (-35) \times 11$

4. What will be the sign of the product if you multiply

- (a) 105 negative integers and 3 positive integers?  
 (b) 64 negative integers and 1 positive integer?

5. Determine the integer whose product with  $-1$  is

- (a)  $-40$ . (b)  $46$ . (c)  $0$ .

6. Solve these problems.

- (a) A shopkeeper purchased 150 pens at ₹12 each and sold them at ₹13 each. What is his profit?  
 (b) The distance above the ground is represented by a positive integer and that below the ground by a negative integer. Answer the given questions.  
 (i) An elevator descends into a mine shaft at the rate of 4 m per minute. What will be its position after two hours?  
 (ii) If it begins to descend from 20 m above the ground, what will be its position after 50 minutes?  
 (c) The temperature of a hot metallic rod is  $225^\circ\text{C}$ . If it is made to cool off at the rate of  $4^\circ\text{C}$  every minute, what will be its temperature after 20 minutes?

### Quick Tip

To multiply a series of integers, count the number of negative integers. If it is odd, the product will be negative.

For example:

- $(-1) \times (-1) \times (-1) = -1$
- $(-2) \times (-3) \times (-4) = -24$
- $(-1) \times (-2) \times (-3) \times 4 = -24$
- $(-1) \times 2 \times (-3) \times (-4) = -24$

## Division of Integers: Properties of Division of Integers – I

1. Find.

- (a)  $(-100) \div 5$  (b)  $(-81) \div 9$   
 (c)  $(-75) \div 5$  (d)  $(-32) \div 2$   
 (e)  $125 \div (-25)$  (f)  $80 \div (-5)$   
 (g)  $64 \div (-16)$  (h)  $(-36) \div (-4)$   
 (i)  $(-201) \div (-3)$  (j)  $(-325) \div (-13)$

2. Tick the correct statement.

- (a) (i)  $27 \div 3 = 3 \div 27$  (ii)  $27 \div 3 \neq 3 \div 27$   
 (b) (i)  $0 \div (-14) = 0$  (ii)  $(-14) \div 0 = 0$   
 (c) (i)  $-1623 \div 2$  is an integer. (ii)  $-1623 \div 2$  is not an integer.  
 (d) (i)  $(-2555) \div 1 = -2555$  (ii)  $(-2555) \div 1 = 2555$   
 (e) (i)  $(-9999) \div (-1) = 9999$  (ii)  $9999 \div (-1) = 9999$   
 (f) (i)  $18 \div [(-6) \div (-3)] = [18 \div (-6)] \div (-3)$   
 (ii)  $18 \div [(-6) \div (-3)] \neq [18 \div (-6)] \div (-3)$

3. Simplify.

- (a)  $(25 \div 5) \div [5 \div (-1)]$  (b)  $[16 \times (-250)] \div [(-4) \times 125]$   
 (c)  $[(-70) \div 5] \div [(-6) \div 1]$  (d)  $[(-1000) \div 100] \div 10$   
 (e)  $84 \div [7 \times (-3)]$  (f)  $||-22| + |22|| \div ||11| + |-11||$

4. Solve these problems.

- (a) An aeroplane is flying at a height of 2000 m. If it descends at a constant rate of 70 m/min, how long will it take to descend to a height of 600 m?  
 (b) The product of two integers is 180. If one of the integers is  $-15$ , find the other integer.  
 (c) An elevator descends into a shaft at a rate of 2 m/min. If the descent starts from 40 m above ground level, how long will it take to reach  $-10$  m?

### Get it Right!

$$0 \div 6 = 0$$

Zero divided by an integer (other than zero) equals zero.

$$6 \div 0 = 0$$

Division by 0 is not defined. Thus  $6 \div 0$  is not meaningful.



## Division of Integers: Properties of Division of Integers - 2

### 1. Select the correct option.

- (a)  $(-48) \div 4$  equals  
 (i) 12. (ii) -6. (iii) 6. (iv) -12.  
 (b)  $(-39) \div (-3)$  equals  
 (i) -36. (ii) 36. (iii) -13. (iv) 13.  
 (c)  $35 \div (-5)$  equals  
 (i) -35. (ii) 35. (iii) 7. (iv) -7.  
 (d)  $0 \div (-12)$  equals  
 (i) -12. (ii) 12. (iii) 0. (iv) -1.

### 2. Write True or False.

- (a)  $0 \div 4 = 0$  \_\_\_\_\_ (b)  $0 \div (-7) = 0$  \_\_\_\_\_  
 (c)  $-15 \div 0 = 0$  \_\_\_\_\_ (d)  $10 \div 0 = 0$  \_\_\_\_\_  
 (e)  $(-8) \div (-1) = -8$  \_\_\_\_\_ (f)  $-8 \div (-2) = 4$  \_\_\_\_\_

### 3. Fill in the blanks.

- (a)  $296 \div \underline{\hspace{2cm}} = -148$  (b)  $-88 \div \underline{\hspace{2cm}} = 11$   
 (c)  $84 \div \underline{\hspace{2cm}} = 12$  (d)  $\underline{\hspace{2cm}} \div (-5) = 25$   
 (e)  $\underline{\hspace{2cm}} \div 156 = -2$  (f)  $\underline{\hspace{2cm}} \div 567 = -1$   
 (g)  $133 \div \underline{\hspace{2cm}} = -19$  (h)  $\underline{\hspace{2cm}} \div 9 = -48$   
 (i)  $\underline{\hspace{2cm}} \div (-8) = -65$  (j)  $-1728 \div \underline{\hspace{2cm}} = 12$

### 4. Verify that $a \div (b \div c) \neq (a \div b) \div (a \div c)$ for the given values of $a$ , $b$ and $c$ .

- (a)  $a = 8$ ,  $b = -2$ ,  $c = 4$  (b)  $a = 16$ ,  $b = 8$ ,  $c = -4$

### 5. Simplify.

- (a)  $[(-8) + 4] \div [(-5) + 1]$  (b)  $[(-64) + 16] \div 4$   
 (c)  $[56 \div (-7)] \div [(-94) \div (-47)]$  (d)  $[(-22) + 4] \div [(-11) - (-2)]$   
 (e)  $[(-49) \div 7] \div (-7)$  (f)  $[(-11) + (-5)] \div [3 + (-1)]$   
 (g)  $(45 \div 9) - [(-36) \div 9]$  (h)  $[(-56) \div (-8)] \div [(-7) \div 7]$   
 (i)  $[84 \div (-7)] \div [(-21) \div 7]$  (j)  $[(-11) - (-2)] \div [(-15) + 12]$

### 6. Solve these problems.

- (a) In a class test, +4 marks are given for each correct answer and -1 mark is given for each incorrect answer and 0 marks for the questions not attempted. Mansi scored 30 marks. If she has got 10 correct answers, how many questions has she attempted incorrectly?  
 (b) A submarine left the surface of water at a rate of -2 m per second. At that rate, how long will it take for the submarine to reach -80 m level?

## Multiplication of Fractions

### 1. Select the correct option.

- (a) The area of a square with side  $1\frac{1}{4}$  m is (i)  $1\frac{9}{16}$  m<sup>2</sup>. (ii) 9 m<sup>2</sup>. (iii)  $20\frac{1}{4}$  m<sup>2</sup>.  
 (b) The missing fraction in  $\frac{3}{5} \times \frac{\hspace{1cm}}{\hspace{1cm}} = \frac{27}{65}$  is (i)  $\frac{9}{13}$ . (ii)  $\frac{13}{9}$ . (iii)  $\frac{27}{65}$ .  
 (c) Which of these has the greatest value? (i)  $\frac{11}{19}$  of 38 (ii)  $\frac{15}{6}$  of  $\frac{36}{5}$  (iii)  $\frac{7}{8}$  of 64

### 2. Multiply. If the product is an improper fraction, express it as a mixed fraction.

- (a)  $\frac{2}{7} \times 3$  (b)  $\frac{9}{7} \times 6$  (c)  $3 \times \frac{1}{8}$  (d)  $\frac{13}{11} \times 6$   
 (e)  $1\frac{4}{9} \times 6$  (f)  $5 \times 2\frac{3}{7}$  (g)  $\frac{8}{3} \times \frac{4}{7}$  (h)  $\frac{3}{4} \times \frac{2}{3}$

### 3. Find.

- (a)  $\frac{1}{2}$  of 10 (b)  $\frac{1}{4}$  of 16 (c)  $\frac{2}{5}$  of 25

### 4. Solve.

- (a)  $\frac{3}{4}$  of ₹ 100 \_\_\_\_\_ (b)  $\frac{1}{6}$  of a year \_\_\_\_\_ (c)  $\frac{1}{2}$  of an hour \_\_\_\_\_  
 (d)  $\frac{7}{8}$  of a day \_\_\_\_\_ (e)  $\frac{9}{10}$  of a km \_\_\_\_\_ (f)  $\frac{49}{84}$  of a dozen \_\_\_\_\_

### 5. Which is greater?

- (a)  $\frac{3}{4}$  of  $\frac{5}{6}$  or  $\frac{5}{9}$  of  $\frac{3}{7}$  (b)  $\frac{4}{5}$  of  $\frac{3}{8}$  or  $\frac{2}{7}$  of  $\frac{3}{10}$

### 6. Solve these problems.

- (a) A book consists of 384 pages. Last week, Atul read  $\frac{3}{4}$  of the book. How many pages did he read? How many pages are left to be read?  
 (b) A submarine of height  $7\frac{1}{4}$  m is floating in water. If  $\frac{1}{3}$  of its height is below the surface of water, what is the height of the submarine visible above the surface of water?  
 (c) A container holds  $4\frac{3}{5}$  kg of sugar. How much sugar will be there in 25 such containers?  
 (d) The side of a square is 14.5 cm. Find its perimeter.  
 (e) Find the area of a rectangular park with length  $5\frac{2}{5}$  m and breadth  $6\frac{2}{3}$  m.

## Division of Fractions

### 1. Select the correct option.

- (a) The reciprocal of  $2\frac{5}{6}$  is  
 (i)  $\frac{5}{6}$ , (ii)  $\frac{6}{5}$ , (iii)  $\frac{17}{6}$ , (iv)  $\frac{6}{17}$ .
- (b) The reciprocal of  $2\frac{3}{5}$  is  
 (i)  $\frac{5}{3}$ , (ii)  $\frac{13}{5}$ , (iii)  $\frac{5}{13}$ , (iv)  $\frac{3}{5}$ .
- (c)  $3 \div \frac{1}{2}$  equals  
 (i) 6, (ii)  $\frac{1}{6}$ , (iii)  $\frac{3}{2}$ , (iv)  $\frac{2}{3}$ .
- (d)  $\frac{2}{3} \div 5$  equals  
 (i)  $\frac{15}{2}$ , (ii)  $\frac{2}{15}$ , (iii)  $\frac{3}{2}$ , (iv)  $\frac{10}{3}$ .
- (e)  $\frac{1}{2} \div \frac{3}{5}$  equals  
 (i)  $\frac{10}{3}$ , (ii)  $\frac{3}{10}$ , (iii)  $\frac{6}{5}$ , (iv)  $\frac{5}{6}$ .
- (f)  $1\frac{2}{3} \div \frac{5}{3}$  equals  
 (i) 1, (ii)  $\frac{25}{9}$ , (iii)  $\frac{9}{25}$ , (iv)  $\frac{15}{9}$ .

### 2. Fill in the blanks.

- (a)  $\frac{3}{5} \div 1 = \underline{\hspace{2cm}}$  (b)  $8 \div \frac{1}{4} = \underline{\hspace{2cm}}$  (c)  $\frac{8}{13} \div 1\frac{1}{2} = \underline{\hspace{2cm}}$
- (d)  $\frac{4}{7} \div \frac{3}{7} = \underline{\hspace{2cm}}$  (e)  $5 \div 3\frac{4}{7} = \underline{\hspace{2cm}}$
- (f) If  $\frac{3}{5}$  of 45 kg wheat is distributed equally among 9 people, each person's share will be  $\underline{\hspace{2cm}}$ .

### 3. Find the reciprocal of the following.

- (a)  $\frac{7}{12}$  (b)  $\frac{105}{13}$  (c)  $\frac{1}{16}$
- (d) 54 (e)  $2\frac{2}{3}$  (f) 100

### 4. Divide.

- (a)  $7 \div \frac{2}{5}$  (b)  $6 \div \frac{4}{7}$  (c)  $2 \div \frac{8}{9}$
- (d)  $6 \div 5\frac{1}{3}$  (e)  $7 \div 2\frac{4}{7}$  (f)  $\frac{3}{5} \div \frac{1}{2}$
- (g)  $\frac{1}{2} \div \frac{3}{5}$  (h)  $2\frac{1}{2} \div \frac{3}{5}$  (i)  $5\frac{1}{6} \div \frac{9}{2}$

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#### Quick Tip

To divide a fraction by a whole number, keep the numerator the same and multiply the denominator of the fraction by the whole number.



1. Make a chart on the diagram of life cycle of butterfly. Roll no.(21 -25) SEC -A
2. Make a chart on the structure of a flower, with reproduction organs. Roll no.(21 -25) SEC -B
3. Make a chart on the diagram of water cycle. Roll no.(21 -25) SEC -C
4. Make a chart on the structure of human heart. Roll no.(21 -25) SEC -D
5. Project :-
  1. Work in pairs. Grow a new species of rose plant by grafting method, using two different types of rose plants. Compare the quantity of new species with a normal rose plant. Make a report on the growth of the plant. Present it in class and discuss your findings with your classmates.
  2. Make a



Art integrated project:-

Imagine you are going on a two day adventure camp along with your Friends at the , Manipur. How will you prepare yourself for the trip? What kind of plants, trees and wildlife are you to see in those forests? How will you ensure that all of you will have a safe and happy trip?

Find out about the tourist guidelines given by the state forest department of Manipur and be a responsible tourists.

Science:- Do the following worksheet on A4 sheets in near and clean handwriting and learn all the syllabus which was done in class. (Ch-1,2)

### Multiple Choice Questions

#### A. Concept-based Questions

- Which option correctly lists the nutrients other than carbohydrates, in plants?  
(a) Water, fibres, minerals ☐ (b) Fat, proteins, vitamins  
(c) Fibres, vitamins, water ☐ (d) Flavouring agents, water, vitamins
- A teacher asks the students to list the points about the importance of nutrition in living organisms. The table shows the list prepared by the students.

- |   |
|---|
| A. It supports the normal growth and development.   |
| B. It allows each organism to prepare its own food. |
| C. It promotes overall health of the organism.      |
| D. It allows organism to reduce its body weight.    |

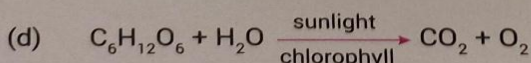
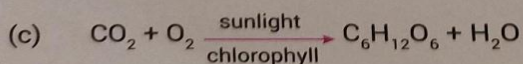
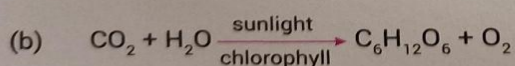
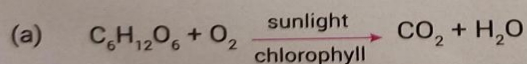
Based on the table, which statements are correct?

- (a) A and C ☐ (b) B and D  
(c) A and B ☐ (d) C and D
- The table shows the mode of nutrition in two different organisms.

Organism 1	Utilises raw material from surroundings to prepare its own food.
Organism 2	Consumes food prepared by organism 1.

What is the likely mode of nutrition of the two organisms?

- (a) Organism 1 = autotrophic, Organism 2 = autotrophic  
(b) Organism 1 = autotrophic, Organism 2 = heterotrophic  
(c) Organism 1 = heterotrophic, Organism 2 = autotrophic  
(d) Organism 1 = heterotrophic, Organism 2 = heterotrophic
- Which statement correctly explains the process of photosynthesis in plants?  
(a) In the presence of sunlight, chlorophyll uses water and oxygen to produce carbohydrates.  
(b) In the presence of sunlight, chlorophyll uses oxygen and carbon dioxide to produce carbohydrates.  
(c) In the presence of sunlight, chlorophyll uses water and carbon dioxide to produce carbohydrates.  
(d) In the presence of sunlight, chlorophyll uses water, oxygen, and carbon dioxide to produce carbohydrates.
- Which equation correctly describes the process of photosynthesis?





6. Plants prepare carbohydrates during photosynthesis. Which nutrient is likely to be synthesised in plants when the soil is rich in bacteria that fix gaseous nitrogen?

- (a) Minerals ☐ (b) Proteins ☐  
 (c) Vitamins ☐ (d) Water ☐

7. How do plants that lack chlorophyll to perform photosynthesis prepare its food?

- (a) They obtain simple food from animals. ☐  
 (b) They obtain raw materials from their surroundings. ☐  
 (c) They obtain food in the form of energy from sunlight. ☐  
 (d) They obtain readymade food from photosynthetic plants. ☐

8. The table lists the characteristic of an insectivorous plant.

- |   |
|---|
| A. It is green in colour.   |
| B. The body of the plant consists of a lid and pitcher.                 |
| C. It traps the insects and digests them by secreting digestive juices. |

Based on these characteristics, what is the likely mode of nutrition of this plant?

- (a) Autotrophic ☐  
 (b) Autotrophic and Heterotrophic ☐  
 (c) Both autotrophic and saprotrophic ☐  
 (d) Both heterotrophic and saprotrophic ☐

9. Listed below are some of the characteristics of saprophytes and symbionts.

- |   |
|---|
| A. They absorb nutrients from dead and decay.                       |
| B. They depend on plants and animals for nutrition.                 |
| C. They live together with other organisms to share space and food. |

Which option correctly classifies these characteristics?

	A	B	C
(a)	Symbionts	Both saprophytes and symbionts	Saprophytes
(b)	Saprophytes	Both saprophytes and symbionts	Symbionts
(c)	Both saprophytes and symbionts	Saprophytes	Symbionts
(d)	Symbionts	Saprophytes	Both saprophytes and symbionts

10. In legumes, *Rhizobium* bacteria are commonly observed in the roots. The *Rhizobium* provides us nitrogen while the plant in return provides shelter and food to the bacteria. What is the type of relation between these both?

- (a) Symbiotic, as both benefit each other for food.  
 (b) Competition, as both compete for atmospheric nitrogen.  
 (c) Parasitic, as *Rhizobium* consumes food prepared by plants.  
 (d) Saprophytic, as *Rhizobium* decomposes the roots of the plant and feed on them.

# SOCIAL SCIENCE

**1.Revise all the chapters done in the class.**

**2. Frame 15 mcqs from the following chapters:**

Ch 3.Local Administration- Panchayat

Ch 5. Places of Historical Significance

Ch 9. Agricultural Pattern

**3.Prepare charts on the following topics:**

1.Different rainfall and climate of India Roll No. (11-15) 7A

2. Panchayati Raj system Roll No. (11-15) 7B

3.Types of farming and different crops Roll No. (11-15) 7C,D

**3.Art integrated:**

Create an artwork depicting changes in cultural practices from ancient to modern times of Manipur.Compare it with Haryana



- **"Design Your Dream Gadget":** Students can create imaginative designs for futuristic gadgets using drawing or digital design tools, accompanied by written descriptions of their features and functions. By using thick chart and water color design your dream gadget and write some its features.

ਪੰਜਾਬੀ

- Revise work all done in notebook.