SANT NISCHAL SINGH PUBLIC SCHOOL LADWA

HOLIDAYS HOMEWORK

(2024-25)

CLASS - VIII

ENGLISH

* Read a book of your choice and write a review of the book. (Paste pictures also)

The topics to cover in the book review are:

Title, Summary of the book , Characters,Setting,Writing Style ,Personal Reflection, Recommendation.

* Scan the QR Code given on page number 51 and 80 of your English literature book, Listen the audio and Do as directed.

*Do Comprehension Practice 1 to 5 in BBC Module One.

*Portfolio Work

*Write word meanings from chapter 4th 'Trust' and 5th 'Conservation Ideas' and frame sentences of the same words.

Create a story based on your own ideas . Make a video by telling the same story.(bring it in pen drive)

When I found ancient Treasure buried the in my school playground. (Roll no. 1_15)

Police man helps people in a new city who are unable to speak the language. (Roll no 16 onwards)

*Make a chart on the following topics according to your Roll no.

1.Poetic Devices(Roll no. 1-10) Section - A

2.Tenses (Roll no. 1-10) Section – B

3.Modals (Roll no. 1--10) Section - C

4. Voice(Roll no. 1-10) Section - D

➢ **Art integrated**

Write about any two sportspersons of Manipur and Haryana and paste their pictures also on A4 sheet.

हिंदी

1 गीता सार में से किसी भी अध्याय के दो श्लोकों की व्याख्या A4 शीट पर लिखिए।

2 भारत रत्न सम्मान से सम्मानित भारतीयों के नाम ढूंढ कर एक कोलाज तैयार कीजिए।

➢ **Art integrated work**

• मणिपुर की वेशभूषा का सचित्र वर्णन कीजिए।

MATHS

- **Do the following Worksheet on A4 Sheets in near and clean Handwriting.**
- **Revise all the work done in class.**

➤ **Chart work**

1. Rational Number system (Roll No. 30-40) Section A

2. Pythagoras Theorem (Roll No. 30-40) Section B

3. Classification of Triangles (Roll No. 30-40) Section C

4. Chart on Compound Interest   (Roll No. 30-40) Section D

Rational Numbers

Worksheet

Name _____ Class _____ Sec. _____ Roll No. _____

1. Fill in the blanks to make the following statements true :

   (i) The equivalent of $\frac{5}{7}$ whose numerator is 45 is ....

   (ii) The reciprocal of a positive rational number is ....

   (iii) Zero has .... reciprocal.

   (iv) The negative of −1 is ....

   (v) The multiplicative inverse of $\frac{4}{3}$ is ....

   (vi) The two rational numbers between −2 and −5 with denominator 1 are .... and ....

2. State whether the following statements are true (T) or false (F) :

   (i) $\frac{3}{11}$ is the additive inverse of $\frac{11}{3}$.

   (ii) Subtraction is not associative for rational numbers.

   (iii) Product of a negative rational number with another negative rational number is always positive.

   (iv) $\frac{-5}{7}$ is the multiplicative inverse of $\frac{7}{5}$.

3. Find 2 rational numbers between $\frac{1}{2}$ and $\frac{3}{4}$.

4. Evaluate : $\left(\frac{2}{11}\times\frac{-22}{15}\right)+\left(\frac{-1}{6}\times\frac{3}{4}\right)+\left(\frac{-1}{21}\times\frac{-3}{5}\right)$

5. Simplify : $\frac{9}{5}+\frac{19}{3}+\left(\frac{-9}{25}\right)+\left(\frac{-4}{3}\right)+1$

6. Verify : $x \times (y \times z) = (x \times y) \times z$

   where $x = \frac{1}{2}$, $y = \frac{1}{3}$ and $z = \frac{1}{4}$.

7. What should be added to $\frac{7}{15}$ to get -2?

8. Evaluate using distributive property :
$$\frac{9}{5} \times \left(\frac{-3}{11}\right) + \frac{1}{5} \times \left(\frac{-3}{11}\right)$$

9. The product of two rational number is $\frac{-15}{28}$.
If one of them is $\frac{-18}{7}$, find the other.

10. Divide the sum of $\frac{5}{6}$ and $\frac{-4}{5}$ by their product.

11. Bhargav had a piece of ribbon $6\frac{3}{4}$ m long.
She used $2\frac{5}{12}$ m from it. How much ribbon
was left with her?

12. One sixth of the students of a class joined the
sports club. Three fifth of these students opted to
play table tennis. If 6 students play table tennis,
how many students are there in the class?

13. Which of the following is not true?

   (a) $\frac{2}{3} + \frac{5}{4} = \frac{5}{4} + \frac{2}{3}$
   (b) $\frac{2}{3} - \frac{5}{4} = \frac{5}{4} - \frac{2}{3}$
   (c) $\frac{2}{3} \times \frac{5}{4} = \frac{5}{4} \times \frac{2}{3}$
   (d) $\frac{2}{3} \div \frac{5}{4} = \frac{2}{3} \times \frac{4}{5}$

14. Which of the following statements is always true?

   (a) $\frac{x-y}{2}$ is a rational number between x and y.   ....

   (b) $\frac{x+y}{2}$ is a rational number between x and y.   ....

   (c) $\frac{x \times y}{2}$ is a rational number between x and y.   ....

   (d) $\frac{x \div y}{2}$ is a rational number between x and y.   ....

Rational Numbers

Name _____ Class _____ Sec. _____ Roll No. _____

1. Answer the following questions :

   (i) Is there a rational number which is its own additive inverse? If yes, write that rational number. ....

   (ii) What is the standard form of $\dfrac{22}{-55}$? ....

   (iii) Write an equivalent rational number of $\dfrac{-2}{7}$ with denominator 98. ....

   (iv) Write multiplicative inverse of $\dfrac{-11}{5}$. ....

   (v) Is the commutative law of division true for rational numbers? ....

2. Represent the following rational numbers on the number line :

   (i) $\dfrac{-7}{2}$ (ii) $\dfrac{4}{3}$
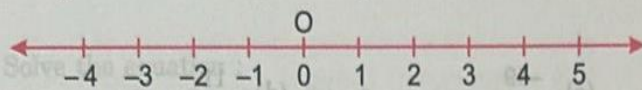
3. Write 5 rational numbers between $\dfrac{1}{3}$ and $\dfrac{2}{3}$.

4. Taking some values of a and b, show that $|a+b| \le |a|+|b|$.

5. Arrange in ascending order : $\dfrac{1}{2}, \dfrac{4}{5}, \dfrac{-2}{3}, \dfrac{-1}{2}, \dfrac{-5}{7}$

6. If $a = \dfrac{3}{4}, b = \dfrac{-1}{2}$ and $c = \dfrac{1}{2}$, verify :

   (i) $a + b = b + a$

   (ii) $a + c = c + a$

   (iii) $(a + b) + c = a + (b + c)$

7. Simplify : $\dfrac{11}{3} \times \dfrac{7}{33} \times \dfrac{(-5)}{7} \times \dfrac{9}{19}$.

8. If $x = \dfrac{-2}{3}$ and $y = \dfrac{1}{4}$, find $(x + y) \div (x - y)$.

9. What should be subtracted from the product of $\dfrac{3}{7}$ and $\dfrac{2}{5}$ to get $\dfrac{-4}{35}$?

10. One coin weighs $5\frac{3}{4}$g. Find the weight of 12 such coins.

11. Tick (✓) the correct alternative :

(i) If a is an integer, which of the following is always true?

(a) $|a| = a$ .... (b) $|a| < a$ .... (c) $|a| > a$ .... (d) $|a| \geq a$

(ii) Which of the following rational numbers lies between $\frac{-1}{4}$ and $\frac{1}{4}$?

(a) $\frac{-1}{5}$ .... (b) $\frac{-2}{5}$ .... (c) $\frac{-1}{3}$ .... (d) $\frac{1}{3}$

(iii) $\frac{-7}{8} - \left(\frac{-3}{5}\right)$ is

(a) $\frac{-10}{40}$ .... (b) $\frac{-11}{40}$ .... (c) $\frac{-59}{40}$ .... (d) $\frac{11}{40}$

(iv) Which of the following is a false statement?

(a) $a \div b$ is a rational number .... (b) $(a \div b) \div c \neq a \div (b \div c)$

(c) $-a \div a = -1$ .... (d) $(a - b) \div c \neq \frac{a}{c} + \left(\frac{-b}{c}\right)$

(v) To get the product 1, we should multiply $\frac{8}{21}$ by

(a) $\frac{8}{21}$ .... (b) $\frac{-8}{21}$ .... (c) $\frac{21}{8}$ .... (d) $\frac{-21}{8}$

(vi) Multiplicative invese of $\frac{0}{1}$ is

(a) 1 .... (b) –1 .... (c) 0 .... (d) Not defined

(vii) If y be the reciprocal of a rational number x, then the reciprocal of y will be

(a) x .... (b) y .... (c) $\frac{x}{y}$ .... (d) $\frac{y}{x}$

(viii) Between two given rational numbers, we can find

(a) One and only one rational number .... (b) Only two rational numbers

(c) Only ten rational numbers .... (d) Infinitely many rational numbers

(ix) The multiplicative inverse of $-1\frac{1}{7}$ is

(a) $\frac{8}{7}$ .... (b) $\frac{-8}{7}$ .... (c) $\frac{7}{8}$ .... (d) $\frac{7}{-8}$

(x) $-(-x)$ is same as

(a) $-x$ .... (b) x .... (c) $\frac{1}{x}$ .... (d) $\frac{-1}{x}$

Exponents and Powers

| Name _____ | Class _____ | Sec. _____ | Roll No. _____ |

1. Evaluate : $\left[\left(\dfrac{1}{3}\right)^{-3} - \left(\dfrac{1}{2}\right)^{-3}\right] \div \left(\dfrac{1}{4}\right)^{-3}$

2. Simplify : $\dfrac{3^{-5} \times 10^{-5} \times 125}{5^{-2} \times 6^{-5}}$

3. Evaluate : $\left[\left(\dfrac{2}{3}\right)^{3}\right]^{2} \times \left[\dfrac{1}{3}\right]^{-4} \times (9)^{-1} \times \left(\dfrac{1}{2}\right)^{1}$

4. Find the value of x if

   $\left(\dfrac{11}{7}\right)^{2x+1} \times \left(\dfrac{11}{7}\right)^{5} = \left(\dfrac{11}{7}\right)^{x+2}$

5. By what number should $(-18)^{-1}$ be divided so that the quotient is $(-3)^{-1}$?

6. Fill in the blanks to make the following statements true :

   (i) $(-4)^{4} \times \left(\dfrac{5}{4}\right)^{4} = $ ....

   (ii) $\left(2^{-3}\right)^{2} \times \left(3^{-2}\right)^{3} = $ ....

   (iii) The distance between earth and sun is 150 million kilometers which can be written in exponential form as ....

   (iv) Very small numbers can be expressed in standard form by using .... exponents.

   (v) The value of $(5^{2} + 2^{-2} + 3^{-2}) \times 6^{2}$ is ....

7. Simplify : $\dfrac{3^{-5} \times 7^{-6} \times 4^{-3} \times a^{2}}{4^{-12} \times 3^{-3} \times 7^{-4} \times a^{5}}$

8. Write the multiplicative inverse of $\left(\dfrac{-7}{13}\right)^{-6}$ with

   (i) positive exponent

   (ii) negative exponent

9. State whether the following statements are true (T) or false (F) :

   (i) $(-10) \times (-10) \times (-10) \times (-10) = 10^{-4}$

   (ii) The multiplicative inverse of $\left(\dfrac{3}{2}\right)^{2}$ is not equal to $\left(\dfrac{2}{3}\right)^{-2}$

(iii) The expression for 4^{-3} as a power with base 2 is 2^6.

(iv) The standard form for 0.0000037 is 3.7×10^{-5}.

(v) $(-6)^0 = -1$.

10. Simplify and express the resulting rational number with positive exponent :

$$\left(\frac{3}{11}\right)^{-2} \div \left(\frac{3}{11}\right)^{-3} \times \left(\frac{3}{11}\right)^{-4}$$

11. Express in scientific notation :

(i) 2479000

(ii) 0.00002317

12. Tick ($\checkmark$) the correct alternative :

(i) $\left(\frac{1}{2}\right)^4 \times \left(\frac{2}{3}\right)^3$ is

(a) $\frac{2^3}{6^7}$ .... (b) $\left(\frac{2}{6}\right)^{12}$ .... (c) $\left(\frac{2}{5}\right)^7$ .... (d) $\frac{1}{2 \times 3^3}$ ....

(ii) Which of the following is true ?

(a) $15° > 7°$ .... (b) $15° = 7°$ .... (c) $15° < 7°$ .... (d) $15° = 7$ ....

(iii) Which of the following is $\frac{9}{19}$?

(a) $\left(\frac{19}{9}\right)^1$ .... (b) $\left(\frac{9}{19}\right)^0$ .... (c) $\left(\frac{19}{9}\right)^{-1}$ .... (d) $\left(\frac{3}{19}\right)^2$ ....

(iv) Which of the following is a false statement?

(a) $a^m \times b^m = (ab)^m$ ....

(b) $a^m \div a^{-n} = a^{m+n}$

(c) $a^{-m} \times a^n = a^{-m-n}$ ....

(d) $(a^{-m})^n = a^{-mn}$ ....

(v) The human body has about 100 billion cells. This number can be written in exponential form as

(a) 10^{-11} .... (b) 10^{11} .... (c) 10^9 .... (d) 10^{-9} ....

(vi) The standard form for 0.000064 is

(a) 64×10^4 .... (b) 64×10^{-4} .... (c) 6.4×10^5 .... (d) 6.4×10^{-5} ....

(vii) The usual form for 2.03×10^{-5} is

> ➤ **Art Integrated project:-**

Compare the population of Manipur and Haryana. Collect the information of number of males, females and children in each state and compare in standard form.

For example:: Suppose, no.of males = 3128958000 = 3.128958×10^9

SCIENCE

Science - Do the following Worksheet on A4 sheets in neat and clean Handwriting. And Learn all the syllabus which was done in class. (Ch-1,2)

Multiple Choice Questions

A. Concept-based Questions

1. Microorganisms are classified into
   (a) five groups—bacteria, algae, virus, fungi, protozoa.
   (b) four groups—bacteria, algae, virus, fungi .
   (c) three groups—algae, protozoa, virus.
   (d) three groups—algae, virus, bacteria.

2. Padma saw some coloured cottony growth on the bread she kept open in her kitchen. She uses magnifying glass to observe the microorganisms. Which group of microorganism will she likely observe?
   (a) Fungi
   (b) Algae
   (c) Bacteria
   (d) Protozoa

3. Rahul mixes some maida flour with water and sugar. He also adds small amount of yeast powder in the mixture. After two hours, he saw that the dough rises. What made the dough to rise?
   (a) The division of yeast cells and production of gas.
   (b) The reaction of maida flour with sugar.
   (c) The release of energy by yeast cell after consumption of Maida flour.
   (d) The release of heat due to enlargement of yeast cells.

4. Into which of these boxes would the disease polio fit?

(a)		Bacteria	Virus
	Vaccination available	A.	B.
	Vaccination not available	C.	D.

(b)		Bacteria	Virus
	Vaccination available	A.	B.
	Vaccination not available	C.	D.

(c)		Bacteria	Virus
	Vaccination available	A.	B.
	Vaccination not available	C.	D.

(d)		Bacteria	Virus
	Vaccination available	A.	B.
	Vaccination not available	C.	D.

5. Antibodies are produced in the body to fight the microbes when they entered the body. How does the human body react when these microbes attack again?
   (a) The human body remembers the microbes and quickly forms antibodies against it.
   (b) The human body becomes weak and is unable to form antibodies against the microbes.
   (c) The human body eliminates the microbes without even producing antibodies against them.
   (d) The human body produces antibodies but takes a longer time to overcome the microbial infection.

6. Some nitrogen fixing bacteria help increase the fertility. This makes the soil more productive. What activity of bacteria helps make soil more productive?
   (a) Supplying compounds of nitrogen to the plant roots.
   (b) Breaking down nitrogen rich waste into nitrogen gas.
   (c) Breaking down compounds of nitrogen to release nitrogen gas.
   (d) Taking up nitrogen from the air and converting it into compounds of nitrogen.

7. The decaying leaves and plant waste in our surroundings disappears after some time because of microorganisms. How do these microorganisms help clean our surroundings?
   (a) They convert dead organic waste into complex substances.
   (b) They convert dead inorganic waste into complex substances.
   (c) They convert dead organic waste into simple substances.
   (d) They convert dead inorganic waste into simple substances.

8. Pathogens are
   (a) disease causing agents.
   (b) carriers of harmful microorganisms.
   (c) diseased microorganisms.
   (d) carriers of beneficial microorganisms.

9. The characteristic likely defines a pathogen is?
   (a) They can spoil food and plastic.
   (b) They make soil fertile.
   (c) They can infect a human body.
   (d) They breakdown remains of dead organisms.

10. Which statement associated with mosquito helps understand that malaria is a communicable disease?
   (a) The causative agent of malaria is a protozoan.
   (b) The mosquito carries the parasite *Plasmodium* that causes malaria.
   (c) The mosquito lays its eggs in water collected in tyres, coolers, and open pits.
   (d) The parasite is transferred inside the body of a healthy person along with the mosquito bite.

11. What is true about the communicable disease 'dengue'?
   (a) It occurs due to female *Aedes* mosquitoes that act as carrier of dengue virus.
   (b) It occurs due to male *Aedes* mosquitoes that act as carrier of dengue virus.
   (c) It occurs due to male *Anopheles* mosquitoes that act as carrier of dengue virus.
   (d) It occurs due to female *Anopheles* mosquitoes that act as carrier of dengue virus.

12. Which option shows the correct example of diseases in plants or animals and their corresponding harmful agents?

(a)
Disease	Affects	Caused by
Anthrax	Plants	Bacterium

(b)
Disease	Affects	Caused by
Cholera	Animals	Fungus

(c)
Disease	Affects	Caused by
Citrus canker	Animals	Bacterium

(d)
Disease	Affects	Caused by
Rust of wheat	Plants	Fungus

13. Which option shows the name and function of preservatives used in jam and squashes?
   (a) Sodium benzoate that prevents the action of microorganisms.
   (b) Salt that stops the activity of microorganisms.
   (c) Sodium sulphate that prevents the action of microorganisms.
   (d) Oil that makes the environment unsuitable for the survival of microorganisms.

14. The feature that makes viruses different from the bacteria
    (a) Microscopic size
    (b) Dependency on living cells
    (c) Requirement of moist conditions
    (d) Requirement of food

15. Viruses can infect plant cells causing a viral disease. How do the plant cells benefit the viruses?
    (a) They help virus have a place to live.
    (b) They help virus increase their number.
    (c) They allow virus to make their own food.
    (d) They keep virus safe from the surroundings.

16. Alina has cold and viral flu for the past 5 days. Her mother gave her antibiotics but she is not recovering. What can be a likely reason for the same?
    (a) Antibiotics are used against viral infections.
    (b) Antibiotics are used against bacterial infections.
    (c) Antibiotics takes time to cure the infection.
    (d) Antibiotics are to prevent infection rather than to cure them.

17. Alexander Fleming discovered Penicillin while working on a disease-causing bacteria in the lab. He observed spores called little green mould on the bacterial culture plate that prevented the growth of bacteria. Who can be treated by the penicillin and how?
    (a) A person with bacterial infection as penicillin stops the growth of disease causing bacteria.
    (b) A person with mould infection as penicillin restricts the growth of moulds.
    (c) A person with bacterial infection as penicillin promotes growth of mould over the bacteria causing infection.
    (d) A person with mould infection as penicillin promotes the growth of bacteria over the disease causing mould.

18. In polio vaccination, the dead microbes are introduced into the children's body. How does this vaccination protect the children from polio?
    (a) By producing suitable antibodies that remain in the body.
    (b) By killing the disease-causing microbes directly.
    (c) By increasing the interaction of dead microbes with the live ones.
    (d) By increasing the number of beneficial bacteria.

19. *Cyanobacteria* and blue-green algae are commonly called as nitrogen fixers. They increase the fertility of soil. How do these nitrogen fixers increase the soil fertility?
    (a) They produce nitrogen gas that is released into the surrounding.
    (b) They convert nitrogen gas present in the surrounding into compost.
    (c) They fix atmospheric nitrogen to make nitrogen compounds in the soil.
    (d) They decompose remains of plants and animals to produce nitrogen compounds.

20. Ridha observed that fishes were coated with salt and kept in tray in the fish market. What is the likely use of coating fish with salt?
    (a) It increases the moisture content of the fish allowing it to survive longer.
    (b) It stops the growth of bacteria by reducing the moisture content.
    (c) It increases the salt content of the fish that enhances its taste.
    (d) It reduces the weight of the fish making the transport easier.

21. A student takes 2 pots M and N. He puts plant waste in pot M and plastic products in pot N. He places both the pots in an open area for 3- 4 weeks and observes that the content in the Pot M is converted into manure while the content in the Pot N remains the same.

What can be the likely reason for the production of manure in pot M?

(a) Microorganisms decompose plant waste faster than plastic.

(b) Microorganisms degrade plant waste slowly compared to plastic.

(c) Microorganisms only degrade plastic waste to produce manure.

(d) Microorganisms only decompose plant waste into manure.

22. A student is making a list of diseases caused by different microorganisms in plants and in humans. Which table correctly shows the diseases listed by the student?

(a)

Human	Plant
Chicken pox - bacteria Typhoid - bacteria	Yellow vein mosaic of okra - fungi Rust of wheat - virus

(b)

Human	Plant
Chicken pox- virus Typhoid - bacteria	Yellow vein mosaic of okra - virus Rust of wheat - fungi

(c)

| Human	Plant
Chicken pox - bacteria Typhoid - bacteria	Yellow vein mosaic of okra - fungi Rust of wheat - fungi

(d)

| Human	Plant
Chicken pox - bacteria Typhoid - bacteria	Yellow vein mosaic of okra - bacteria Rust of wheat- virus

B. Picture-based Questions

23. A student is making an image to show the process of nitrogen fixation. What will be added to the empty box to complete the image?

Nitrogen fixation

Microorganism

Soil

Compounds of nitrogen

Root

Uptake
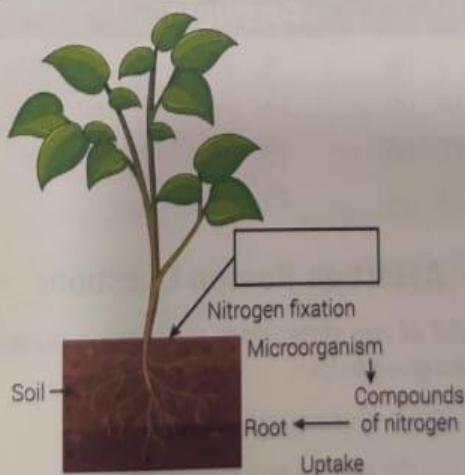
(a) Nitrogen molecules in the soil

(b) Nitrogenous compounds

(c) Atmospheric nitrogen

(d) Nitrogen gas in the soil

24. The image explains a nitrogen cycle.
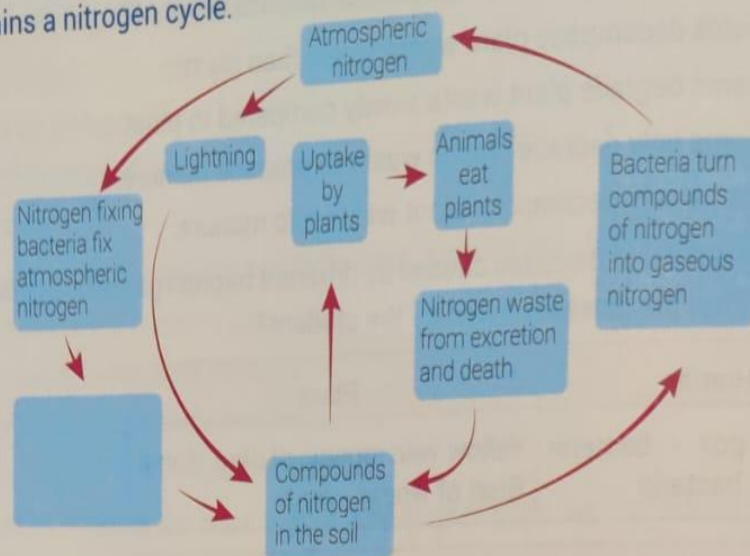

What should be added to the blank box to complete the cycle?

(a) Bacteria turn fixed nitrogen into nitrogenous compounds.

(b) Bacteria fixed nitrogen into soil.

(c) Bacteria convert the nitrogenous compounds into nitrogen gas.

(d) Bacteria mix nitrogen gas with the soil.

25. Study the graphs given below. They show the rates of growth of four different bacteria. The bacteria corresponding to which graph could be called the fastest-growing?
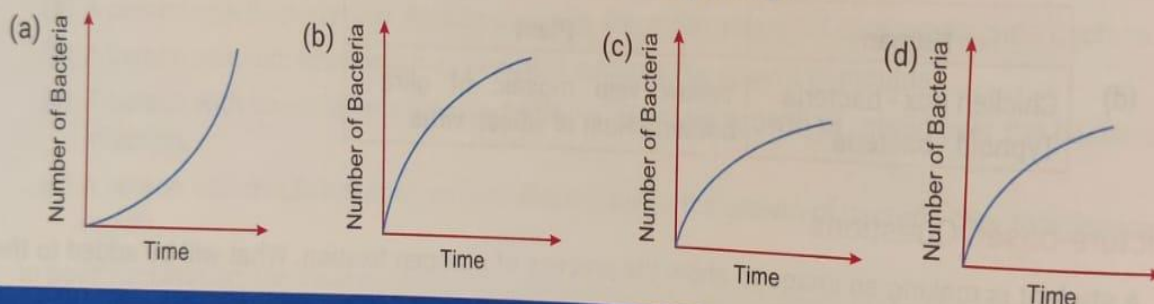
Case-based Question

Ritu wants to observe how quickly carrots lose colour. Loss of colour shows rotting of carrot. She observes carrot slices on a plate under three different conditions as shown below.

Under the sun   In a moist room at 25°C   In the refrigerator

She notes how long the carrot slices on each plate take to change colour.

	In a moist room at 25°C	In the refrigerator	Under the sun
Time carrot slices take to change colour	2 days	5 days	8 days

1. **What can Ritu conclude from her activity?**
   - (a) Carrots when kept under the sun do not rot easily.
   - (b) Carrots at room temperature lose colour more quickly.
   - (c) Carrots can be best preserved in hot and moist conditions.
   - (d) Carrots take more time to lose colour under cold conditions.

2. **Rotting is the**
   - (a) process by which dead organic substances are broken down into simpler or inorganic matter.
   - (b) process by which dead inorganic substances are broken into organic substances.
   - (c) type of animal disease caused by soilborne bacteria.
   - (d) type of plant disease caused by virus.

3. **Rotting is affected by**
   - (a) Availability of air
   - (b) Temperature
   - (c) Availability of water
   - (d) All of these

4. **Which of the following statements is incorrect?**
   - (a) Warmer temperatures will cause the roots to rot.
   - (b) Weather conditions and soil conditions are responsible for rotting of carrots.
   - (c) Rotting can be caused due to growth of microbes.
   - (d) All are correct.

➢

➢ **Art Integrated project:-**

1. **Compare the Agricultural practices and cropping pattern of Haryana and Manipur. Explain also the difference between soil type in Haryana and Manipur. Collect the information and prepare a detailed report with photographs.**

➢ **Chart work**

1. Bacterial Cell (Roll No. 20-30) Section A
2. Nitrogen cycle (Roll No. 20-30) Section B
3. Life cycle of butterfly (Roll No. 20-30) Section C
4. Structure of a human eye (Roll No. 20-30) Section D

SOCIAL SCIENCE

➢ **Find out 15 M.C.Q's from these chapters**:-

(I) Understanding Local Markets
(II) Livelihood Pattern of the State
(III) India – Natural and Human Resource Distribution (Part-1)

➢ **Learn the work done in the notebooks.**

➢ **Make an Art integrated activity on:-**

Compare the forested area of Manipur and Haryana find out which type of vegetation is found in both states.

(I) Make a chart on journey of agriculture (Roll no. 10-20) Section A

(II) Make a beautiful chart on Preamble (Roll no. 10-20) Section B

(III) Make a chart on stages of Law-making (Roll no. 10-20) Section C

(IV) Make a chart on Renewable resources (Roll no. 10-20) Section D

INFORMATION TECHNOLOGY

➢ **Future of AI: Reflect on the future possibilities of AI technology, including advancements in robotics, and their availability in different areas . By using thick chart and water colours draw various robots and explain how they are helping in various sectors.**

ਪੰਜਾਬੀ

➢   Revise work all done in notebook.