



**SANT NISCHAL SINGH PUBLIC SCHOOL
LADWA**

HOLIDAYS' HOMEWORK

SESSION 2022-23

CLASS IX





Dear Parents

Vacation is a welcome break !

So why not utilize this golden period for family reunion and reiterate your family ties with your kids and relatives. Gear up and utilize your time in the best possible manner. Go ahead with some unique fun activities with your kids. Let's cheer for the 3R's- Rejuvenation, Relaxation and Rebonding ! Have atleast two meals together with your children. Teach them the importance and hardwork of the farmers and art them not to waste food.

Special Note

Visit your grand parent and strengthen your bond with them. Their love and emotional support is very important click snaps with them.

GUIDELINES FOR HOLIDAYS' HOMEWORK

Label your Holiday Homework and submit it in a handmade folder, put in an eco-friendly paper bag made by you using old newspaper/ colourful papers. Revise the work done till the month of May.

Here are few tips for you to follow :-

- Set a permanent workplace and work-time. This will bring discipline in your life.
- Inculcate good manners – 4 magic words `Please, Thank you, Excuse me, Sorry' – Use them and see the difference.
- Help your mother to keep the house clean. Do small household jobs like dusting, watering the plants, laying dinner table and so on.
- Go out for morning walk, talk about things you see around.
- Keep your room clean and well organized.
- Take up yoga or any other form of healthy activity during the vacation.
- Last but not the least – Always speak in English with your family members and friends.



ENGLISH HOMEWORK

Roll No. (1-10)

1. Holidays are about having fun. One waits for them eagerly in order to go to places of interest like the mountains, beaches, safari or even traveling to meet the dear ones. All these journeys are full of memorable experiences, meeting new people knowing their culture, cuisine and enjoying nature in all its bountiful resources. A Travelogue is an account of such a journey to some other places. It is written with factual details about personal impressions and experiences supported by images.

FOLLOW THE FOLLOWING STEPS FOR MAKING TRAVELOGUE:

- i) Select a particular destination and dates that suits you and your family members or friends who are joining you on this trip.
- ii). Make an extensive research about the place, mode of transport, stay etc. and go for advanced booking.
- iii) Make list of the things you would carry with you.
- iv) During the trip record all the important things or events in your diary or on camera.
- v) Back home use these inputs for writing an amazing travelogue that interests all those who read it.

2. Depict the following poem from NCERT Book- Beehive in a creative manner as **AN Artistic Representation** and present it in the class. **“The Road Not Taken”**.

How to do : Use your imagination to convert the poem in an artistic representation collage making with pictures from magazine or newspapers to be presented in the class. The presentation should be self-explanatory.

Use A3 Size sheets.

Parameters for Assessment: Relevance to content, creativity and presentation

Roll No. (11-20)

1. Be innovative

Create your own diary in which you will write daily about one of your virtuous acts which you will do like helping your mother, helping physically disabled people or underprivileged. (80-100 words)

Where to do : Small handmade diary which should be properly decorated. Parameters: Creativity, Content, Authentication



2. Watch any one movie of your Choice from the following movies mentioned below.

1. Three men in a boat by (Jerome. K Jerome)
2. The life of Pi
3. Gulliver travels
4. Chalk & Duster
5. Three idiots
6. Taare Zameen Par

WRITE A FILM REVIEW IN ABOUT (150-200) words by following steps like :

1. Title of the movie.
(Genre romantic /thriller /suspense /travelogue etc)
2. Written by
3. Produced by
4. Directed by
5. Settings of the film(Village Town / Mountain/ Port etc)
6. Main characters
7. Main roles played by.....
8. Theme
9. Did you like it ? Why and Why not
10. Write a report in about (150- 200)words

ROLLNO(21-Onwards)

1. Read any one book from the following & write a book review as given :

- Gulliver Travels
- The story of my life
- Three Men in a boat
- Adventures of Tom Sawyer
- Black beauty

- Macbeth

BOOK REVIEWS

TITLE _____	
AUTHOR _____	
RATING ★ ★★ ★★★★★	
QUICK SUMMARY	DRAW YOUR FAVORITE SCENE

WHO IS YOUR FAVORITE CHARACTER AND WHY?	

WHERE DOES THE BOOK TAKE PLACE?	

WHAT WAS THE BEST PART IN THE BOOK AND WHY?	

WOULD YOU RECOMMEND THIS TO A FRIEND? YES NO	

NAME _____	DATE _____

Q2 Write the Biographical Sketch of any one of the following on A4 size sheets: -

- Ustad Bismillah Khan
- Evelyn Glennie

(Also draw the related musical instruments mentioned in the text- The Sound of Music)

BBC - FOR ALL STUDENTS

- Do classroom assignments 1,2,3 of Reading Module One
- Do Pg Number 282 ,283,288,289 of Module Do Pg Number 346,347,348 ,349 ,353,354,355 of Module Nine
- Do Pg Number 395 ,396 of Module Ten



HINDI HOMEWORK

ग्रीष्मकालीन अवकाश कार्य

1. समाचार पत्र में से चित्र देखकर किन्हीं चार का वर्णन A4 sheet पर कीजिए। (1-19)
2. पानी बचाने हेतु, वाहन सुरक्षा नियम, वृक्षारोपण, भूमि बचाव में से किसी एक विषय पर A4sheet पर चार चार स्लोगन लिखिए।(19-38)
3. पंद्रह दिनों तक दैनिक डायरी लेखन कीजिए।
4. जीवन की कठिनाइयों से जूझते हुए आगे बढ़ने वाली किन्हीं पांच महिलाओं के चित्र चिपकाकर उनकी संघर्ष गाथा लिखिए।



MATHS HOMEWORK

Q1. Find the zero of the polynomial $P(x) = 5x - 3$

Q2. Express $0.12\bar{3}$ in p/q form.

Q3. Express $15.7\bar{12}$ in p/q form.

Q4. Evaluate 104×107 by using suitable identity

Q5 Find two irrational numbers lying between $\sqrt{2}$ and $\sqrt{3}$.

Q6. Find two irrational numbers lying between 0.5 and 0.55 .

Q7. Represent $\sqrt{6}$ on a number line.

Q8. Represent $\sqrt{10}$. 4 on a number line.

Q9. Find the value of x if $2^{x-5} = 256$.

Q10. Factorise: $81a^2 - 63ab + 49b^2$

Q11. Find the value of x if $5^{x-3} \times 3^{2x-8} = 225$

Q12. Find four solutions of $2x + y = 11$

Q13. Simplify $[\{(125)^{-1/2}\}^{-1/4}]^2$

Q14. Simplify: $(\frac{81}{16})^{-3/4} \times [(\frac{25}{9})^{-3/2} \div (\frac{5}{2})^{-3}]$

Q15. Simplify by rationalizing the denominator

$$\frac{7+3\sqrt{5}}{7-3\sqrt{5}}$$

Q16. Find the value of a and b if $\frac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}} = a + b\sqrt{15}$

Q17. Simplify: $\frac{3}{5-\sqrt{3}} + \frac{2}{5+\sqrt{3}}$

Q18. If $x = 2 + \sqrt{3}$ then find the value of $x + \frac{1}{x}$.

Q19. Find the value of $(2x - 3y)(2x + 3y)$.

Q20. Evaluate $(x+5)(x-3)$

Q21. Expand $(\frac{x}{2} - \frac{y}{3})^2$.

Q22. Write the angle between the two coordinate axes.

Q23. Points (0,3) and (0,-7) lies on which axis?

Q24. Point (-3,0) lie on which axis?

Q25. If y-coordinate of a point is zero, then this point always lies on which axis?

Q26. Write the Signs of the abscissa and ordinate of a point in the third quadrant

Q27. Write the quadrant in which ordinate of a point is always positive?

Q28. Write the coordinates of a point at which the line $5x+3y=15$ intersect the x-axis.

Q29. Write the perpendicular distance of the point p(3,4) from the x-axis.

Q30. Write the abscissa and ordinate of the origin.

Q31. Expand $(2x - 3y)^3$.

Q32. Factorise $X^2 - 14X + 49$.

Q33. Find value of k if $(x+1)$ is a factor of $kx^3 + 6x^2 - 9$.

Q34. Expand $(2x - 3y + 2)^2$

Q35. Factorise $27Y^3 - 64X^3$.

Q36. Factorise $64P^3 - 27 + 144P^2 - 108P$.

Q37. IF $x+y+z=0$ prove that $x^3+y^3+z^3=0$

Q38. Factorise $\sqrt{3}x^2 - 2\sqrt{3}x + \sqrt{3}$.

Q39. Evaluate $(999)^3$

Q40. Evaluate 108×92

.ACTIVITIES:

1. To represent square root of a natural number 34 on a number line.

2. (i) To multiply a binomial $(x+3)$ with a monomial x .

(ii) To multiply a binomial $(x+3)$ with a binomial $(x-3)$.

3. To show that line joining the mid points of two sides of a triangle is parallel to third side and half of it.

4. To draw the histogram for the classes of equal and unequal width.

Project : (i) Construct working model on number systems. (For 1 to 10 roll numbers)

(ii) Construct a working model on types of polynomials. (For 10 to 20 roll numbers)

(iii) Construct a working model on Algebraic Identities. (For 20 to 35 roll numbers)



Prepare the model on the assigned topic.

1. Potato Battery(1to 4)
2. Herbarium (5-8)
3. Plant cell (9-12)
4. Animal cell (13-16)
5. Wind turbine (17-20)
6. Water turbine (21-24)
7. Electric car(25-28)
8. Solar cell (29 -32)
9. Water rocket (33-36)
10. Biogas plant (34-40)
 - ❖ You can also prepare model on any other innovative idea.
 - ❖ Do the given assignment in notebook.
 - ❖ Revise the following Chapters for periodic test

Chapters :-

1. Matter in our surrounding
2. Fundamental unit of life
3. Motion

1. What happens when an inflated air balloon is pricked with a pin? Name the property of the gaseous state exhibited by this observation.
2. To which physical state of matter do the following statements apply?

(i) Incompressible, no fixed shape

(ii) Compressible, no definite volume

3. In which of the following, the particles have highest forces of attraction?

Water, NaCl (solid), ice or, wax.

4. Which of the following diffuses faster?

Water vapour, wax or, ethyl alcohol

5. Why does the temperature of a substance remain constant during its melting point or boiling point?

6. Why do the doctors advise to put strips of wet cloth on the forehead of a person having high fever?

7. Why do people sprinkle water on the roof after a hot sunny day?

8. Substance 'A' has high compressibility and can be easily liquefied. It can take up the shape of any container. Predict the nature of the substance. Enlist four properties of this state of matter.

9. Suggest an activity to show that the rate of diffusion of liquids decreases with increase in density of the liquid.

10. Design an experiment to show that ammonium chloride undergoes sublimation.



11. Explain interconversion of three states of matter with the help of flow chart. Name the process of each interconversion.

12. Explain how the rate of evaporation of a liquid is affected with:

Increase in temperature of the liquid.

Decrease in exposed surface area.

Increase in moisture in the surrounding air.

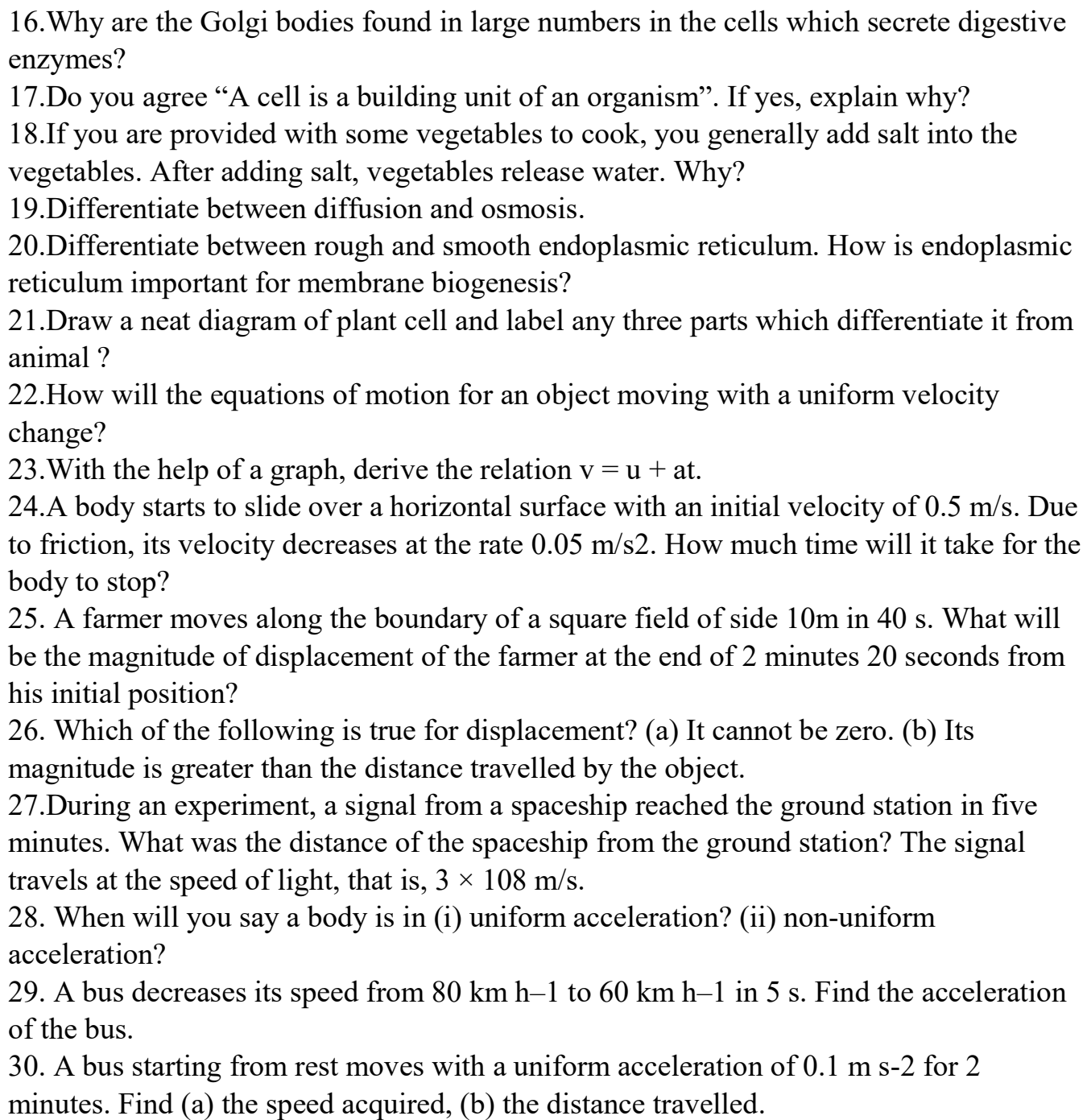
Increase in wind speed.

13. You want to wear your favourite shirt to a party, but the problem is that it is still wet after a wash. What steps would you take to dry it faster?

14. Describe the continuous motion of particles of matter with the help of an activity

15. Describe an activity to determine the boiling point of water and melting point of ice



- 
16. Why are the Golgi bodies found in large numbers in the cells which secrete digestive enzymes?
17. Do you agree “A cell is a building unit of an organism”. If yes, explain why?
18. If you are provided with some vegetables to cook, you generally add salt into the vegetables. After adding salt, vegetables release water. Why?
19. Differentiate between diffusion and osmosis.
20. Differentiate between rough and smooth endoplasmic reticulum. How is endoplasmic reticulum important for membrane biogenesis?
21. Draw a neat diagram of plant cell and label any three parts which differentiate it from animal ?
22. How will the equations of motion for an object moving with a uniform velocity change?
23. With the help of a graph, derive the relation $v = u + at$.
24. A body starts to slide over a horizontal surface with an initial velocity of 0.5 m/s. Due to friction, its velocity decreases at the rate 0.05 m/s². How much time will it take for the body to stop?
25. A farmer moves along the boundary of a square field of side 10m in 40 s. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds from his initial position?
26. Which of the following is true for displacement? (a) It cannot be zero. (b) Its magnitude is greater than the distance travelled by the object.
27. During an experiment, a signal from a spaceship reached the ground station in five minutes. What was the distance of the spaceship from the ground station? The signal travels at the speed of light, that is, 3×10^8 m/s.
28. When will you say a body is in (i) uniform acceleration? (ii) non-uniform acceleration?
29. A bus decreases its speed from 80 km h⁻¹ to 60 km h⁻¹ in 5 s. Find the acceleration of the bus.
30. A bus starting from rest moves with a uniform acceleration of 0.1 m s⁻² for 2 minutes. Find (a) the speed acquired, (b) the distance travelled.



SOCIAL SCIENCE HOMEWORK

Revise all the chapters done in the class.

61. Every student has to compulsorily undertake one project on Disaster Management

Objectives: The main objectives of giving project work on Disaster Management to the students are to:

- a. create awareness in them about different disasters, their consequences and management
- b. prepare them in advance to face such situations
- c. ensure their participation in disaster mitigation plans
- d. enable them to create awareness and preparedness among the community.

3. The project work should also help in enhancing the Life Skills of the students.

The project should include the following :

- minimum 8 pages
- clear related and coloured pictures
- problems faced by victims
- helping guidelines post disaster
- your opinion on how to control HID



INFORMATION TECHNOLOGY

Make an Assignments on given Topic (Roll no – 1 to 20)

1. Computer Organization
2. Operating System and its Functions

Make an Assignment on given Topic. (Roll no 21 Onwards)

1. Domain Name System
2. Application of ICT in Education



ARTS HOMEWORK

Draw 2 still life with shading/colours.

Any 2 craft work.

4 landscape study (2 pencil shading, 2 colours).



SPORTS HOMEWORK

- 1 Draw the track given in Physical Practical file.
- 2 Draw the diagram of Long Jump with write up.
- 3 Draw the diagram of Shot Put with write up.
- 4 Draw the diagram and mention write up about any one game of your choice.