



MUKAND LAL PUBLIC SCHOOL, SARAJINI COLONY YNR

AFFILIATION NO:- 530294 SCHOOL CODE :- 40279

Website : [www.mlpschool.edu.in](http://www.mlpschool.edu.in) Contact No:- 01732-250092, 257513

# *Holidays Home Work*

Class: XI

Session (2023-24)



### *Some Tips to make holidays special*

- ❖ **APPRECIATE NATURE** - GO FOR LONG WALKS IN A PARK OR GARDEN WITH YOUR FAMILY AND FRIENDS. GROW A PLANT AND NURTURE IT.
- ❖ **UNRAVEL THE ARTIST IN YOU** - CREATE A NEW STORY, TRY A NEW RECIPE WITH YOUR MOM, LEARN A NEW SONG, PLAY A NEW INSTRUMENT.
- ❖ **GOOD MANNERS ARE THE KEY**- RESPECT YOUR PARENT, GRANDPARENTS AND ALL ELDERS.
- ❖ **USE THREE MAGICAL WORDS** (SORRY, PLEASE AND THANK YOU) OFTEN. 'A LITTLE MORE COURTESY GOES A LONG WAY.'
- ❖ **STAY FIT, STAY HEALTHY** - PLAY YOUR FAVORITE GAME/ SPORT REGULARLY.
- ❖ DEVELOP IN YOURSELF THE SPIRIT OF SPORTSMANSHIP & SENSE OF HEALTHY COMPETITION.
- ❖ **LEARN ABOUT OUR HERITAGE** – FIND SOME TIME TO VISIT MUSEUM AND MONUMENTS. READ ABOUT THEM.
- ❖ LEARN NEW THINGS RELATED TO YOUR COUNTRY.
- ❖ **SAVE NATURE** – CONTRIBUTE TO SAVE OUR PRECIOUS ENVIRONMENT. MINIMIZE THE WASTAGE OF RESOURCES LIKE WATER AND FUEL.



*Extreme poverty is often concentrated in urban spaces and national and city governments struggle to accommodate the rising population in these areas. Making cities safe and sustainable means ensuring access to safe and affordable housing, and upgrading slum settlements.*

### **English**

1. Use all the eco- friendly materials make a skin care product and design its display advertisement as well. (Roll 1-10)
2. Using all the eco friendly materials (Jute Bag, old clothes, ribbons, etc...) design foot mats with slogans to promote sustainable communities.(Roll no. 11-20)
3. Convert the open space/corner of your school into a role model of sustainable city. (Roll No. 21-30)
4. Write an article on YOUR IDEA OF SUSTAINABLE CITY (Roll No. 31-40)

### **Physics**

1. Prepare a project report on the role of physics in “Smart Grid” for sustainable development.
2. Make a poster showing combination of solar power with thermal storage to avoid wastage of energy.
3. Prepare a PPT to be presented in class on use of wind energy , solar energy , nuclear energy in making sustainable cities.
4. Prepare a write-up on use of smart meters , sensors and technology in building and infrastructure , Also draft a map of the same.
5. Prepare a PPT to be presented in class on ‘IOT smart cities’.
6. Make a poster showing the use of gadgets , that can be used for “smart communication” in sustainable cities.
7. Prepare a project report on the Role of Physics in ‘Smart Waste Management Techniques’ for Sustainable Development.
8. Prepare a chart of machines with their principle and use in ‘smart factories’.
9. Make a project of ‘smart transportation’ for sustainable development of cities and communities.
10. Make a poster on ‘IOT smart cities’.

NOTE:

Topic	Roll no.
1	1,11,21,31
2	2, 12,22,32
3	3,13,23,33
4	4, 14,24,34
5	5, 15,25, 35
6	6,16,26,36
7	7,17,27,37
8	8,18,28,38
9	9,19,29,39
10	10,20,30,40

## **Chemistry**

### **Roll no 1 to 10**

- Design a digital newspaper showing articles related to different sustainable development goals
- Draft a map of a sustainable House / Community on a chart

### **Roll no 11 to 20**

- Prepare a diet chart for a healthy and nutritional well being for people of different age groups
- Research and collect data of the work done globally in the field of sustainable development

### **Roll no 21 to 30**

- Prepare a chart showing comparison between natural nutrients and supplements with their benefits and harmful effects
- Prepare a chart or a poster showing goals of sustainable development

### **Roll no 31 onwards**

- Make a project Report on 5R's for responsible consumption and production
- Make a power point presentation to be presented in class on role of individual to achieve sustainable development goals

## **Maths**

- Group 1 : Roll no. (1-6) : - Make a project report and Working model on relations and functions.
- Group 2 : Roll no. (7-12) :- Make a project report and Working model on Trigonometric / Inverse Trigonometric functions.
- Group 3 : Roll no.(13-18):- Make a project report and Working model on Conic sections.
- Group 4 : Roll no.(19-25): - Make a project report and Working model on Probability.
- Group 5 : Roll no. (25-29) :- Make a project report and Working model on Pascal Triangle.

- Group 6 : Roll no.(30-34) :- Make a project report and Working model on Three dimensional Geometry.

## **Physical Education**

### **Topics for Project**

1. Logo of yoga in the form of poster
2. Design yoga poses by using leaves
3. Make a 3D model showing human respiratory system.
4. Make a 3D model showing human circulatory system .
5. Find the body mass index of your family members by applying the formula.
6. Make cards showing different types of bones injuries

### **Practical:**

- Make a model of Volleyball court with net, antenna and complete dimension.  
(Roll no: 1-5 )
- Make a model of Football Ground with players and complete dimension.  
(Roll no: 6-10)
- Make a model of surya namaskar.  
(Roll no: 11-15)
- Make a model of Badminton court with players and complete dimension.  
(Roll no: 16-20)
- Make a model of Basketball court with players and complete dimension.  
(Roll no: 21-25)
- Make a model of Cricket Ground with players and complete dimension.  
(Rest of students)