

**HOLIDAYS  
HOMEWORK  
2022-2023  
CLASS -9TH**

# ENGLISH

1. REPORT WRITING ON COLLECTION AND STORAGE AND DESIGN OF RAINWATER HARVESTING.

2. THROW LIGHT ON LIFE OF BISMILLAH KHAN AND EVELYN GLENNIE , ALSO ANY ONE PERSON WITH DISABILITY WHO OVERCAME IT AND BECAME A MOTIVATION.



# MATHS

**1. Collect Information about the highest and lowest rainfall in different states of India and represent graphically at least 10 states.**

**2. Find geometrical proof of angle sum property.**

# HINDI

1. चिपको आंदोलन पर एक निबंध लिखिए ।
2. दूसरे विश्व युद्ध पर कोई पाँच नारे लिखे ।
3. दूसरे विश्व युद्ध के परिणाम बताते हुए अपने मित्र को एक पत्र लिखिए ।

\* पाठ्यपुस्तक \*

1. आगे बढ़ती भारतीय महिलाओं की पुस्तक पढ़कर उनसे संबंधित चित्रों का संग्रह कीजिए एवं संक्षिप्त जानकारी प्राप्त करके लिखिए ।
  - पी. टी. उषा
  - आरती साहा
  - किरण बेदी
2. ' चित्रकूट ' किस राज्य में स्थित है , जानकारी प्राप्त कर **A - 4** रंगीन शीट पर करके एक फाइल में रखे ।

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# SOCIAL SCIENCE

1. Roll No 1-15---- Make a model on Rainwater Harvesting. List down ways to conserve water and waste water management

Roll No 16-30 -Prepare a file on Rainwater management. Write down the ways by which we can conserve water. Watershed management should be included. Paste pictures

Roll No-31 to 45----Write a short report on the changes in irrigation and changes in production method during the last 20 years. Make a Poster making on Modern Farming Methods

Roll No-46-60-----By using your creativity prepare a report and a mind map on social skills which you have learnt during month of April and May.

2. Prepare picture book on different types of natural vegetation found in India, detailing its features, types of trees found, wildlife and regions( use only 2-3 photos for one type forest).

# ATHLETICS

1. HISTORY OF ATHLETICS

2. CLASSIFICATION OF ATHLETICS.

3. TRACK EVENTS.

4. FIELD EVENTS.

5. LONG JUMP GROUND.

6. DO EXERCISE AND YOGA AT LEAST 20  
MIN. AT HOME TO STAY FIT AND HEALTHY.

# PHYSICS

- 1) Under what condition is the magnitude of average velocity of an object equal to its average speed?
- 2) What does odometer of an automobile measure?
- 3) What can you say about the motion of an object whose displacement- time graph is a straight line parallel to the time axis?
- 4) A body thrown in vertically upward direction rises up to a height  $h$  and comes back to the position of start. Calculate the total distance travelled by the body and its displacement.
- 5) What is the acceleration of a body moving with uniform velocity?
- 6) A body can have zero average velocity but not zero average speed. Justify.
- 7) A train 100m long is moving with a velocity of 60km/h. find the time it takes to cross the bridge 1km long.
- 8) A body covers a semicircle of radius 7cm in 5second. Find its velocity.
- 9) Ahmed is moving in his car with a speed of 45km/h. How much distance will he cover in (i) one minute and (ii) one second?
- 10) It takes 6 minutes for the signal sent by an artificial satellite orbiting around the earth to reach the ground station. Calculate the distance of the artificial satellite from the ground station. The signal travels with the speed of light. ( $3 \times 10^8$ m/s).

## ACTIVITY PLAN FOR THE CHAPTER: MOTION

To understand that the displacement of an object is less than the distance travelled by the object. – A Students will go from one corner of their Living room to the opposite corner by different routes possible. They will measure the distance travelled with a measuring tape. Now students will measure the length of diagonal of the living room and note their observations. They can try same in other rooms also.





# BIOLOGY





**Q1 Describe an activity to demonstrate endosmosis and exosmosis.**

**Draw a diagram in support of the activity.**

**Q2 Draw a plant cell and name seven important organelles found in it.**

**b. Name one organelle that can make some of its protein in a plant cell and also mention one function of such organelle.**



# Chemistry

- 1. What are the characteristics of particles of matter? Write any four of them.**
- 2. Solid has fixed shape and volume but gases do not have. Why?**
- 3. Differentiate solid, liquid and gas on the basis of compressibility, rate of diffusion and density?**
- 4. What is evaporation? Write any four factors which influence the rate of evaporation?**
- 5. Water is a liquid at room temperature. Justify with any three suitable points.**

# Computer

## MICROSOFT POWERPOINT 2010

**A. Create a presentation using ms - powerpoint to highlight the current affairs from 15th june' 2021 to 15th july'2021.**

**The presentation must have:**

- **The File name Current Affairs.pptx**
- **10 - 15 slide excluding Welcome/Topic/Your Details & Thank you slides.**
- **A theme or background design.**
- **More visual effect than text.**
- **Transition effects.**
- **Sound effect**

## MICROSOFT EXCEL 2010

**B. Create a workbook using MS - Excel for marks record.**

**The worksheet must have:**

- **The File name Marks Record.xlsx.**
- **The Field/Column name as given:**  
**Roll No. Name English Hindi  
Science Maths S. Science Computer  
Total Percentage**
- **20 Records.**
- **Formulas in Columns showing Total & Percentage.**
- **Table design.**
- **Formatting effects of your choice.**
- **Chart to display your marks record graphically**
- **\*Formatted legend in chart.**



# MUSIC

*Write a brief  
biography of legend  
kishore kumar and  
write any five songs  
of kishore kumar.*



# Arts



- 1. MURAL PAINTING**
- 2. WALL HANGING**

