

**DAV HZL SR. SEC. SCHOOL, DARIBA**  
**HOLIDAY HOMEWORK**  
**CLASS - VII**

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**ART & CRAFT**

(Any Two)

1. Paper Quilling :- Painting
2. Clay Modelling
3. Paper Collage, Photo Collage on ivory sheet (use at least 4 to 5 photographs)
4. Pot Painting
5. Popsicle Stick Craft
6. A Wall Hanging from old waste bangles.
7. Decorate a Thermocol plate

**MATHEMATICS**

1. Learn definitions of different types of numbers with examples.
2. Make five questions and verify commutative and associative property under addition and multiplication.
3. Make five questions each and verify the distributive property under addition and subtraction.
4. Who invented zero and when?
5. How will our life be affected if there is no number? Explain in ten sentences.
6. Revise chapter-1 and chapter-2

**ENGLISH -1 (In Note Book)**

- Q1. Tutu took a pearl necklace from a jeweller's shop and created a huge mess in the market before finally throwing it into a canal. The jeweller felt quite tense about the whole episode. Write the jeweller's diary entry describing how he felt at Tutu's mischief.
- Q2. Write any twenty sets of rhyming words.
- Q. 3 Listen carefully to the story "Merchant's Donkey". That you have in the video link and answer the following questions in an A4 size paper.

Link : <https://youtu.be/mTZymCDPKYs>

- Q1. Who had a donkey?
- Q2. Where would he take the donkey?
- Q3. Who had to cross the river every day?
- Q4. What did the merchant say?

- Q5. Who slipped and fell in the river?
- Q6. Why did the load get lighter?
- Q7. Why was it useless to go to the market with less load?
- Q8. Who thought that the donkey was playing tricks?
- Q9. What did the merchant load on the back of the donkey the next day?

### **ENGLISH -2(In Note Book)**

- Q1. Answer question C.9. Frame an advertisement for any one of the three things given.  
(Question No. C.9 Reader Book Unit I)

### **BIOLOGY**

#### **Revise Chapter - 1**

#### **Topic- Nutrition in plants**

**Link:** <https://www.youtube.com/watch?v=jbleo8dHNQc&feature=youtu.be>

Instruction: Answer the following questions on the basis of above link video on a A4 sheet.

1. What are nutrients?
2. Which nutrient present in our food component provides instant energy?
3. Write the role of proteins in our body.
4. Define photosynthesis.
5. Write the raw materials used during photosynthesis.
6. Which part of plant is called as food factories?
7. How water and minerals are transported in plants body?
8. Name the small pores present on the leaf surface.
9. How does the stomata open and close?
10. Name the green pigment present in leaf and write its role in photosynthesis.
11. Write the meaning of the term photosynthesis.
12. How is sunlight captured?
13. Name the principle element of life, released during photosynthesis.
14. Write the equation for photosynthesis.

### **COMPUTER**

- 1) Write the name of various Viruses and anti-viruses. Write the same in soft copy and save them in a CD or a Pen Drive with a suitable file name.

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<https://www.youtube.com/watch?v=YOOKIpkxCV8>

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## PHYSICS

### **Motion and Measurement**

#### **1. Fill in the blanks:**

- (i) The earliest methods of measuring time were based on \_\_\_\_\_ of events.
- (ii) There are \_\_\_\_\_ seconds in an hour.

- (iii) SI unit of speed is \_\_\_\_\_ & of time is \_\_\_\_\_.
- (iv) The graph plotted between distance and time for the uniform motion is always in \_\_\_\_\_.
- (v) 1 Km/ hr = \_\_\_\_\_ m/ sec.

**2. State true or false:**

- (i) In non-uniform motion, the speed of an object changes for every equal intervals of time.
- (ii)  $\text{Time} = \frac{\text{speed}}{\text{distance}}$
- (iii) Cars always move with uniform motion.
- (iv) Time period of a pendulum depends on the weight of the bob.
- (v) Motion of pendulum is non uniform motion.

**3. Answer in one words:**

- (i) The resting position of the bob of pendulum.
- (ii) Device fixed in vehicles which shows its speed.
- (iii) Time taken for pendulum to complete one oscillation.
- (iv) Total distance covered by body in unit time.
- (v) To & fro motion of the bob about its mean position.

**4. Plot the distance- time graph for following –**

- (i) A body at rest.
- (ii) A bus moving with uniform speed.
- (iii) If a body covers unequal distances in equal interval of time.

5. What is speed? What is its SI unit?
6. Calculate the speed of body which covers a distance of 900 km in 5 hrs.
7. A body covers a distance of 4 km in 5 mins. Calculate his speed in km/hr.
8. A motorist covers a distance of 3 km in 6min. Calculate speed in m/s
9. Light travels with a speed of  $3 \times 10^8$  m/sec. How long does the light take from the sun which is  $15 \times 10^{11}$  m away?

10. Define:

(i) Mean position

(ii) Amplitude

(iii) Time period

(iv) Frequency

11. Plot the distance time graph for an electronic toy train

|              |   |    |    |    |
|--------------|---|----|----|----|
| Distance (m) | 5 | 10 | 15 | 20 |
| Time (s)     | 1 | 2  | 3  | 4  |

12. A small kid is riding a bicycle in a park. Plot the observation of distance travelled by child's cycle. (D- T graph )

|              |    |    |    |    |
|--------------|----|----|----|----|
| Distance (m) | 5  | 7  | 10 | 6  |
| Time (s)     | 10 | 20 | 30 | 40 |

13. Plot the graph between distance and time using the following data and answer the followed questions

|               |    |    |    |    |    |
|---------------|----|----|----|----|----|
| Distance (km) | 1  | 2  | 3  | 4  | 5  |
| Time (hrs)    | 10 | 20 | 30 | 40 | 50 |

(a). What is the type of motion?

(b) What is the speed of the car when Time = 9 hours and Distance = 90 km?

(c) Is the speed of the car constant?

14. Plot a distance time graph for a body moving a uniform speed of 2 m/s.

### CHEMISTRY

1. Differentiate between Physical and Chemical change with example.

2. Write the chemical formula of the following compounds:-

a) Calcium Hydroxide

b) Zinc Phosphate

c) Aluminium Chloride

d) Copper Nitrate

e) Ammonium Iodide

f) Magnesium Sulphate

g) Iron (III) Oxide

h) Sodium Carbonate

- i) Silver Bromide
- j) Hydrogen Sulphide

**Revise Chapter – 3 & 14**

**Note :-Write answer of given questions in your Note Book**

**SOCIAL STUDIES**

- Q. Write the answer of given questions in Geography Note book.
- 1. Write and learn the state & capital of India and locate them in the political map of India.
- 2. Paste the pictures & write about the sources of information of ancient & medieval period.