



**RAMJAS SCHOOL ANAND PARVAT NEW DELHI 110005**

## **Summer Holiday Homework -2021**

**Class X**

**ENGLISH**

**1. Create a Google form and conduct a survey on ANY ONE of the following topics.**

- Ways to reduce mental stress among teenagers
- Latest food trends
- Health and fitness

Sample Size- 30 people

Present the data in an analytical paragraph in **100 words**.

Compile everything in a **PowerPoint Presentation** using the given format and mail it your teacher.

Slide 1-Name of the topic, student, class and roll number

Slide 2- Questionnaire designed to conduct the survey

Slide 3- Data obtained in form of a bar graph or pie chart

Slide 4- Analytical paragraph based on the graph or chart

Slide 5- Acknowledgement Note

**2. Cook/bake any dish of your choice using ingredients that are commonly available at home. You can take your parents help for the same. Make a short video or click pictures while cooking.**

Use the given format to make a chart and complete the information.

<i>Picture of the dish</i>
<i>Name of the dish:</i> _____
<i>Serves:</i> _____
<i>Time:</i> _____
<i>Ingredients:</i> _____
_____
_____
_____
<i>Procedure:</i>
<u>  1  </u> _____
_____
_____
_____
_____
_____

The procedure should be written in **Passive Voice**. Make a PDF of the above chart and compress to 4MB and mail it to your teacher along with the video or pictures clicked while preparing the dish. The due date of submission is **7 June 2021**

### 3. Books for Extensive Reading

1. The Little Prince by Antoine de Exupery
2. The Canterville Ghost by Oscar Wilde
3. The Blue Umbrella by Ruskin Bond

**All questions are compulsory and their marks will be counted in S.E. and M.A. for Term 1**

## हिंदी

क) शरीर के अंगों पर आधारित ३० मुहावरों के अर्थ लिखकर वाक्य बनाइए। यह कार्य A-4 आकार की शीट पर किया जाए।

ख) निम्नलिखित विषयों पर आकर्षक विज्ञापन अपनी अभ्यास-पुस्तिका में बनाइए :

१) घरेलू उत्पाद

२) बैंक की योजना सम्बन्धी

- 3) कोरोना से सावधानी विषय पर सरकार द्वारा जारी किया गया विज्ञापन
- 4) नौकरी का विज्ञापन
- 5) विवाह का विज्ञापन

ग) दिए गए संकेत बिंदुओं पर 100-120 शब्दों में लघुकथा अपनी अभ्यास-पुस्तिका में लिखिए:

संकेत बिंदु: \*एक बार बुद्ध किसी गाँव में आए\*वहाँ के भक्त किसान ने उनके प्रवचन की पूरी व्यवस्था की\*प्रवचन के समय सभी लोग उपस्थित, पर वही किसान गायब \*रात में लौटा - पूछने पर उसने बताया \*प्रवचन के समय वह बीमार बैल को पशु-चिकित्सक के पास ले गया जिससे बैल बच गया \*बुद्ध द्वारा प्रशंसा \*यही इंसान का कर्तव्य

घ) पठित पाठ्यक्रम की पुनरावृत्ति कीजिए ।

## MATHS

1. Revise : Chapter 3 (Pair of Linear equations in two variables)
2. Do the following questions
  - (I) Solve :
 
$$99x + 101y = 499$$

$$101x + 99y = 501$$

[ Ans.  $x = 1, y = 1$  ]
  - (II) Write a pair of equations which has unique solution  $x = -1$  &  $y = 3$ . How many such pairs you can write?
  - (III) Determine graphically whether the system of equations  $x - 2y = 2$ ;  $4x - 2y = 5$  is consistent or inconsistent.
  - (IV) Solve the following system of equations graphically:  $x + 3y - 6 = 0$ ;  $2x - 3y - 12 = 0$ . Also write the co-ordinates where the lines meet x-axis.
  - (V) Given the linear equation  $2x - 3y - 8 = 0$ . Write another linear equation in two variables such that geometrical representation of the pair so formed is
    - (a) Intersecting lines
    - (b) Parallel lines
    - (c) Coincident lines
3. Project : Draw the graphs of  $2x + y = 6$  and  $2x - y + 2 = 0$ . Shade the region bounded by these lines and X-axis. Also find the area of the shaded region.

## Science

## PHYSICS

**A. Answer the following questions in A4 size sheets.**

Q1. Define light.

Q2. State the laws of reflection of light.

Q3. Distinguish between real image and virtual image.

Q4. What are the characteristics of image formed by a plane mirror.

Q5. In what way is the word AMBULANCE printed in front of hospital vans?

Why is it printed this way?

**B. Prepare a project on Sources of Energy (6 to 7 pages)**

**Biology**

**NOTE- To be done on A-3 sheet**

**Multiple assessment activity – visual presentation**

Draw the outline diagram allotted to you on A3 sheet and colour them with poster colours and label them properly

1) ROLL NUMBERS 1-10- Vertical section of leaf, leaf peel mount showing stomata(on one sheet) And human brain (on other sheet)

2) ROLL NUMBERS 11-20-Digestive system and respiratory system ( on separate sheets).

3) ROLL NUMBERS 21-30-Vertical section of human heart and schematic diagram of double circulation(on separate sheets)

4) ROLL NUMBERS 31- Last Roll No.- Diagram of excretory system and diagram of Nephron ( on separate sheets)

**CHEMISTRY**

1. Prepare a POWER POINT PRESENTATION on role of acid, bases and salts in various fields such as industries agriculture medicine and household etc.

2. Presentation should contain 10-15 slides .The slides can include activities,interesting videos, fun facts etc.

**SOCIAL SCIENCE**

**EVERY STUDENT HAS TO COMPULSORILY UNDERTAKE ANY ONE PROJECT ON THE FOLLOWING TOPICS;**

**ROLL NO. 1 TO 14 ; TOPIC–“CONSUMER AWARENESS”including the below mentioned points**

1. Definition and significance of consumer awareness
2. Ways of consumer exploitation
3. Case studies of consumer exploitation
4. Consumer movements and enactment of consumer protection act 1986, popularly known as COPRA
5. Rights of consumers

**Reference – Chapter Consumer Awareness from Economics book (NCERT)**

**ROLL NO. 15 TO 28 – TOPIC “SUSTAINABLE DEVELOPMENT”including following points**

1. Definition and significance of sustainable development.
2. Is sustainable development necessary?
3. Goals of sustainable development
4. What can I do as a citizen for development to be more sustainable ?
5. Sustainable development act
6. Agenda 21 of Earth summit 1992

**Reference – Chapter Resources & Development from Geography book (NCERT)**

**ROLL NO. 29 ONWARDS- TOPIC “SOCIAL ISSUES “including following points**

1. Various social issues pertaining to Indian society.
2. Gender inequality, casteism, communalism. (SELECT any one issue)
3. Causes behind the selected issue or problem.
4. Steps taken by the government to combat the social evil, problem or issue selected .
5. Role of “you “as citizen in making our democracy successful and better place to live in.
6. Role of media

**Reference – chapter 4, political science, Gender, religion and caste**

**General Instructions**

1. The Project carries 5 marks.

2. Students are expected to apply the social science concepts that they have learnt over the years in order to prepare the project report.
3. The project should be handwritten. The project should consist of Pictures, relevant data, newspaper clippings and any other supportive material.
4. Project to be of 10- 15 pages.
5. The project should be handwritten, done on A4 size sheet with spiral binding.
6. Make a cover page in your project file and write your name, class, roll no. & school name.
7. Project should also include acknowledgement and bibliography

### **MAP WORK FOR INTERNAL ASSESSMENT**

**(TO BE DONE ON MAP BOOK OR PASTE MAPS ON A4 SIZE SHEETS AND KEEP IN FOLDER.)**

#### **History- Nationalism in India (location and labelling)**

##### **I. The Indian National Congress Sessions**

- a. Calcutta (September 1920)
- b. Nagpur (December 1920)
- c. Madras (1927)

##### **II. Important centre of Indian National Movement**

1. Champaran (Bihar)- movement of Indigo Planters
2. Kheda (Gujarat)- peasant satyagraha
3. Ahmedabad (Gujarat) - cottonmill workers satyagraha
4. Amritsar (Punjab) – Jallianwala Bagh Incident
5. Chauri Chaura (UP)- calling off Non cooperation movement
6. Dandi (Gujarat) – Civil disobedience Movement

### **GEOGRAPHY- MAP WORK**

**PASTE MAPS ON A4 SIZE SHEETS AND KEEP IN FOLDER.**

#### **CHAPTER 3 WATER RESOURCES (LOCATION AND LABELLING)**

##### **DAMS**

1. Salal 2. Bhakra Nangal 3. Tehri 4. Ranapratap Sagar 5. Sardar Sarovar 6. Hirakud 7. Nagarjuna Sagar 8. Tungabhadra

#### **CHAPTER 5 MINERAL AND ENERGY RESOURCES (LOCATION AND LABELLING )**

##### **POWER PLANTS ;**

**A.THERMAL**

Namrup,Ramagundam,Singrauli,

**B.NUCLEAR**

Narora,Tarapur,Kakrapara, Kalpakkam

**CHAPTER 6.MANUFACTURING INDUSTRIES**

**COTTON TEXTILE INDUSTRIES:**

a.. Mumbai b. Indore c. Surat d. Kanpur e. Coimbatore

**IRON AND STEEL PLANTS:**

a. Durgapur b. Bokaroc. Jamshedpur d. Bhilai e. Vijayanagar f. Salem

**SOFTWARE TECHNOLOGY PARKS:**

a. Noida b. Gandhinagar c. Mumbai d. Pune e. Hyderabad f.  
Bengaluru g. Chennai h. Thiruvananthapuram

**CHAPTER 7 LIFELINES OF NATIONAL ECONOMY**

**MAJOR PORTS: (LOCATING AND LABELLING)**

a. Kandla b. Mumbai c. Marmagao d. New Mangalore e. Kochi f. Tuticorin g.  
Chennai h. Vishakhapatnam i. Paradip j. Haldia

**INTERNATIONAL AIRPORTS:**

a. Amritsar (Raja Sansi)b. Delhi (Indira Gandhi International)  
c. Mumbai (Chhatrapati Shivaji)d. Chennai (MeenamBakkam  
e. Kolkata (Netaji Subhash ChandraBosef. Hyderabad (Rajiv Gandhi )