



BHARATIYA VIDYABHAVAN'S ATMAKURI RAMA RAO SCHOOL

ROAD NO: 45(END), JUBILEE HILLS, HYDERABAD-500033

Class X - Holiday Homework May -2022

Subject : Maths

Dear Students,

Mathematics Holiday HW consists of two parts; Part A & Part B. Part A - activities and Part B - Project.

Part - A

Following record activities need to be done neatly and colorfully as mentioned in the record book. Follow the given instructions carefully and use the required material (not just drawing it) which is available on the backside of the book.

Activity No.	Page No.
1.3	22
1.5	30
3.1	51
3.4	58

4.2	70
5.4	88
3.2	54
5.2	84

Your activity should contain:

- ✓ Name of the topic
- ✓ Objective
- ✓ Materials required
- ✓ Procedure
- ✓ Observation
- ✓ Calculation/remark

Part - B

The following project needs to be done on a Chart paper/A4 sheet.

Classes: X A & X B	Project -4 [Mathematical Designs and patters] Mathematical designs and patterns using arithmetic progressions.
Classes: X C & X D	Project - 8 [Early History of Mathematics] Consult various reference books on the internet to collect and compile data in respect of mathematics sources. <ul style="list-style-type: none">• To study various aspects of Pythagoras theorem.• To investigate the various historical aspects of the number 'π'

Subject : Science

1. Write term 1 Experiments from practical manual into your Lab record
2. Read Chapter 15 (Our Environment) and prepare a power point presentation covering the following topics:
 - Slide 1: Your name, class and section
 - Slide 2: Introduction
 - Slide 3 & 4: Ecosystem and Types of ecosystems
 - Slide 5 & 6: Food Chain; Food chains in different ecosystems (Grass land, Aquatic & Forest ecosystems)
 - Slide 7: Food web and examples
 - Slide 8 & 9: Trophic levels and Flow of energy
 - Slide 10, 11 & 12: Ozone; Ozone formation and depletion; CFCs (ChloroFluoro Carbons)
 - Slide 13, 14 & 15: Segregation of wastes, Biodegradable and Non-biodegradable wastes
3. Prepare a power point presentation on Sources of energy (Maximum 10 slides)
4. Prepare a model of either conventional or non-conventional source of energy.

Subject : Social Science

- Do a project work on the topic **SUSTAINABLE DEVELOPMENT** (conservation of natural resources).
- The project work should be of 15-20 pages.
- It should be handwritten.
- It should be written on only one side of the page.

➤ The project work should be supported with pictures, diagrams, graphs, pie chart etc. (any one or a few depending on the topic chosen)

➤ The guidelines for the project work are as follows:

Page 1: Title page: name, class, section etc.

Page 2: Index

Page 3: Introduction to the topic - What are resources, classification of Resources etc.

Pages 4-10: Topic chosen for project work, for example water, forests, minerals etc., uses, how over exploitation of these resources is leading to socio-ecological problems, what happens if these resources get depleted or degraded or exhausted completely, how can we conserve resources? etc.

Pages 11-13: One case study should be taken.

Page 14: Bibliography

Page 15: Teacher's remarks.

Subject : English

1. Browse for the life of Buddha from the sources available on the internet and write about your understanding of his journey leading to enlightenment and establishment of Buddhism in not more than 500 words.
2. Make a habit of reading English Newspaper daily and write 5 lines of the headlines in cursive.

Subject : Telugu

- 1వ తరగతి నుండి 10వ తరగతి వరకు తెలుగు భాషను ఒక సబ్జెక్టుగా తప్పనిసరి చేస్తూ ప్రభుత్వం తీసుకున్న నిర్ణయం గురించి మీ అభిప్రాయాన్ని వ్యాస రూపంలో వ్రాయండి.

Subject : Hindi

आधुनिक काल के किन्हीं तीन हिंदी कवियों के विषय में जानकारी एकत्रित करते हुए एक परियोजना तैयार कीजिए।

Subject : Sanskrit

- Practice the Meanings of Avyayani from Abhyasavan Bhava - II.
Write the all the Translation sentences from Abhasavan Bhava - I
- (Refer Google Class Room Translations - 5 PDF Files)

