



HOLIDAY HOMEWORK

CLASS IX

SESSION 2024-25

"GREAT WORKS ARE PERFORMED NOT BY STRENGTH

BUT

BY PERSEVERANCE."

Subject- English

- Assignment 1:
- Write a Review of the book “You Are Born To Blossom” by Dr. A.P.J. Abdul Kalam.
- This assignment has to be done on A4/A3 size coloured sheets. Paste the pictures of the book and the author at the suitable place.
- Suggested points to be covered while writing the Book Review (you can choose some other pointers as well)
 - About the author
 - The sequential progress of the book
 - Did you like the book?
 - Your favourite chapter/ part of the book
 - How could it be beneficial for the students?
 - Would you like to recommend this book to another person? Give reason
- Assignment 2:
- Go through the Novel “ Oliver Twist” by Charles Dickens and you will be asked to speak on any one of the following for the ASL assessment:
 - Any chapter from the book which left a strong impression in your mind.
 - The plot and setting of the story.
 - The character which impressed you a lot
 - Your opinion as a critic on the book and its author.

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1. पढ़ाए गये पाठों के प्रश्न उत्तर याद करें।
2. लोकतंत्र में मतदान के महत्व पर चर्चा करते हुए दो मित्रों के बीच संवाद लिखें।
- 3 . निम्नलिखित में से किसी एक विषय पर 150 शब्दों में लघु कथा लिखें।
 - (क) "परहित सरिस धर्म नहीं भाई" विषय को आधार बनाकर एक लघु कथा लिखिए।
 - (ख) मित्रता (पशु और मनुष्य) के भाव को आधार पर एक लघु कथा लिखें।
 - (ग) आत्मग्लानि के भाव के आधार पर एक लघुकथा लिखें।
4. निम्नलिखित विषय में से किसी एक पर निबंध लिखें। (200शब्द)
 - (क) ग्लोबल वार्मिंग
 - (ख) पुस्तकालय का महत्व

Subject- Mathematics

“Without mathematics, there’s nothing you can do. Everything around you is mathematics. Everything around you is numbers”.

- Shakuntala Devi, Indian writer and mental calculator

INSTRUCTIONS: Solve the following questions in your assignment notebooks.

1. Evaluate:

$$\sqrt{10} + \sqrt{20} + \sqrt{40} - \sqrt{5} - \sqrt{8} \text{ (Take } \sqrt{5} = 2.236 \text{ and } \sqrt{10} = 3.162)$$

2. Find the value of x if $(5x-3)(32x-8) = 225$.

3. Find the rationalising factor of $(\sqrt{2} + \sqrt{3} + \sqrt{7})$

4. Do 25 unique questions from the chapter Number System. (From S Chand)

5. Do 25 unique questions from the chapter Polynomial. (From S Chand))

INSTRUCTIONS: Solve the following questions in your Activity File.

1. Plot the following rational numbers on the number line.

$$-3/7, 5/8, 5/4, 11/5$$

2. Represent $\sqrt{9.7}$ on the number line. Also justify your answer.

3. Represent from $\sqrt{2}$ to $\sqrt{16}$ by the spiral method on the number line. Also give your observation about this spiral plotting.

4. Visualise 2.665 on the number line, using successive magnification.

5. Plot 5 irrational number on the number line.

6. Write about 5 Indian Mathematicians and their achievements. Also paste a photo of them.

Subject- Biology

General instructions-

* Each student will do the activity individually.

*Write your-name, class, section and roll no. on A-4 sheet.

*Give a clear and colourful presentation on the given topics in a story telling form on A-4 sheet paper.

*You can make your work more attractive by adding pictures/diagrams.

TOPICS

1. Roll no-1-5 - Air pollution; its causes and control.
2. Roll no-6- 10- Water pollution; its causes and control.
3. Roll no- 11-15- Soil pollution; its causes and control.
4. Roll no-16-20- Hole in ozone layer and the probable damage.
5. Roll no- 21-25- Air as a physical resource (for respiration, for combustion, for moderating temperature and movements of air).
6. Roll no- 26-30- Water as a physical resource (water as a wonder liquid and its requirement in our daily life).
7. Roll no- 31- 35- Soil as a physical resource (soil as an important resource, soil formation, types of soil and soil erosion)
8. Roll no – 36-40- Biogeochemical cycles in nature; water cycle and nitrogen cycle.
9. Roll no - 41 to last-Biogeochemical cycles in nature; carbon cycle and oxygen cycle.

Subject- Physics

1. Make a simple model showing that motion and rest are relative terms
2. Read the topic of Gravitation and prepare short note on it
3. Derive all equations of motion on a A4 size paper.

Subject- History/Civics

Make a project file about the philosophers (any 5) who played a significant role in enlightening the French people of the 18th century.

Information to be collected.

Image of the philosophers.

Name of the philosophers.

Nationality

Timeline

Name of the book written by them

Image of the book (if available)

Ideology reflecting in the book and how it influenced the people of France to fight for their rights, demand for the division of power and the creation of the modern states.

Subject- Geography

Instructions :-

- It is to be handwritten.
- It is to be done in the assignment copy.
- Choose any one natural or anthropogenic disaster.
- One case study related to the India.
- Make drawing or paste the pictures or news paper cuttings can also be used and map of the case study region.
- Project to be developed under these sub headings :-

1. What is disaster management?
2. (Introduction of Topic).
3. What are the phases of the disaster management ?

Points :

- a. Abstract.
- b. Response and relief.
- c. Rehabilitation and reconstruction.
- d. Mitigation strategies (Structural & Non-structural)
- e. Preparedness.
- f. Conclusion.

Subject- Information Technology

Note: The answers to all questions should be written neatly and properly only in the Theory Notebook EXCEPT FOR QUESTION 1.

Q.1. Create a PPT of 10 slides on the topic “ICT and its Applications”. Apply your creativity by

inserting images and making the slides attractive and colorful. Submit clear printout (both color and B/W acceptable) of the slides in a separate folder.

Q.2. Draw a well labelled diagram describing the basic features of a modern smartphone.

Also, describe the common functionality available in Smart Mobile devices.

Q.3. Explain the various differences between RAM and ROM.

Q.4. Explain the usage of the following Linux Commands and also give example of each:

- pwd
- mkdir
- rmdir
- touch
- rm
- cd
- ls
- cd ~