PM SHRI KENDRIYA VIDYALAYA KHAMMAM

AUTUMN BREAK HOLIDAYS HOMEWORK(2025-26)

CLASS X

SOCIAL

1) Complete the map work from geography and history chapters.
2) write all notes up to date.3) complete the e-port folio

ENGLISH

Autumn Break Holidays Homework

1. Write the summaries (50-60 words) of all the lessons (13) of the Literature Reader.
2. Write any four formal emails in about 60-80 words.
3. Write four letters to the editor of a local newspaper on any issues. (120-150 words each).
4. Complete the notebook of English according to the split-up upto August month.

SCIENCE

1. Draw a labelled diagram of the **human eye**. Explain:
   i. How a clear image is formed on the retina.
   ii. How the eye can adjust to view near and distant objects (power of accommodation).

2. What is **hypermetropia**? Draw its ray diagram. How can it be corrected?
3. What is **myopia**? Draw its ray diagram. How can it be corrected?
4. Draw a labelled diagram of the **human eye** and mark: Retina, Cornea, Eye lens, Pupil.
5. Explain with a ray diagram how a **concave lens** forms an image of an object placed in front of it.

ARTIFICIAL INTELLIGENCE

Q1. Define Artificial Intelligence in your own words.

Q2. Write any two advantages and two disadvantages of AI.

Q3. Differentiate between AI in education and AI in entertainment with examples.

Q4. What is the difference between **Supervised Learning** and **Unsupervised Learning** in AI? Give one example of each.

Q5. A company wants to use AI for recruitment. How can AI help in this process? Mention any three points.

Q6. Explain the role of AI in **Smart Cities**. Give three examples.

Q7. AI is widely used in the field of **Healthcare**. Explain with at least 5 applications/examples.

Q8. "AI is a boon as well as a challenge."
Discuss this statement with 5 advantages and 5 limitations of AI.

MATHS

1. Draw the graphs of the following pair of linear equations.
 a) $3x + 4y = 7$; $2x - 3y = -1$
 b) $2x + 3y = 5$; $4x + 6y = 12$
 c) $2x + 3y = 5$; $4x + 6y = 10$
2. Sum of the first 'n' natural numbers
3. To prove the length of the tangents drawn from an external point to a given circle are equal
4. Draw any figure on graph sheet and locate 10 different points on it.
5. Basic proportionality theorem