



W.H. Smith Memorial School

CLASS 6

HOLIDAY HOMEWORK

2024-25



GOAL 9: Industry, Innovation and Infrastructure





Guidelines for Homework



1. All projects must be handwritten.
2. Do the homework on file pages.
3. The cover page should show the School's name, Logo, Student's name, Class, Section and Subject.
4. The second page should be about acknowledgement.
5. Each topic should be written on a new page.
6. Marks will be deducted for spelling and grammatical errors.
7. Submit the homework in a handmade file cover.
8. Each subject carries 20 marks.



ENGLISH LANGUAGE



Q1 Write a descriptive essay on ‘**How infrastructure play a crucial role in the overall development of children.**’ (Hint- Make comparison between the infrastructure and facilities provided to the children by urban area schools and rural area schools)

Q2 The concept of sustainability requires intelligent planning and management to conserve the natural environment, manage natural resources and save on energy costs. Keeping above points in mind how would you convert a piece of land into a Smart City. Give the description and blue print your map design with help of pictures.

Q3 Create your own diary in which you will write daily about any one positive change which you will bring in yourself like being organised or being punctual etc.

Q4 Do one page of English writing everyday. Emphasize on formations, neatness and punctuation.

Q5 Translate the given Hindi passage into English.

मैं प्रयाग में बी. ए. की छात्रा थी और शीतावकाश में अपने घर भागलपुर जा रही थी। पटना में भाई से मिलने की बात थी, अतः स्टेशन पर ही प्रतीक्षा के कुछ घंटे व्यतीत करने पड़े। प्लेटफॉर्म पर एक ओर बेंच पर देहाती वेशभूषा में परंतु कुछ नागरिक जनों से घिरे जो सज्जन विराजमान थे, उनकी ओर मेरी दृष्टि जाकर लौट आई। वास्तव में, भाई से यह जानने के उपरांत कि उक्त सज्जन राजेंद्र बाबू हैं। मुझे उनके अभिवादन का ध्यान आया।

पहली दृष्टि में ही जो आकृति स्मृति में अंकित हो गई थी, उसमें इतने वर्षों में न कोई रेखा जुड़ी है और न कोई नया रंग भरा है। सत्य में से जैसे कुछ घटाना या जोड़ना संभव नहीं होता, वैसे ही सच्चे व्यक्तित्व में भी कुछ जोड़ना- घटाना संभव नहीं है।

उनकी वेशभूषा की ग्रामीणता तो दृष्टि को और भी उलझा देती थी। खादी की मोटी धोती, ऐसा फेटा देकर बाँधी गई थी कि एक ओर दाहिने पैर पर घुटना छूती थी और दूसरी ओर बाएँ पैर की पिंडली। मोटे, खुरदरे, काले बंद गले के कोट के ऊपर वाला भाग बटन टूट जाने के कारण खुला था और घुटने के नीचे का भाग बटनों से बंद था। सर्दी के कारण पैरों में मोजे जूते तो थे पर एक मोजा जूते पर उतर आया था और दूसरा टखने पर घेरा बना रहा था।



ENGLISH LITERATURE



Q1. Use the given words in sentences to clarify their meanings. Consider seeing a dictionary for the meanings of these words, if required.

- a) infrastructure
- b) innovation
- c) Industrialisation
- d) resilient
- e) inclusive

Q2. Pen down a character sketch of the fruit seller, Rahmun in the lesson “The Cabuliwallah”, showing a contrast in his looks but with the same affection and fondness for Mini at the beginning and end of the story.



HINDI LANGUAGE



1. औद्योगिक विकास का अर्थ समझते हुए निबन्ध लिखिए -

(लगभग 300 शब्द)

2. औद्योगिक विकास विकसित भारत का आधार विषय पर दो

मित्रों के बीच होने वाली बातचीत पर संवाद लिखिए ।



HINDI LITERATURE



1. उद्योग एवं नवाचार विषय पर कविता लिखिए - (न्यूनतम 12 पंक्तियाँ)

2. भिखारिन कहानी का सारांश अपने शब्दों में लिखिए - (लगभग 200 से

250 शब्द)



MATHEMATICS - I



1. Prepare an outline/sketch of a climate resilient infrastructure of a city. Mark all the points that you have taken care of to make it more climate resilient like elevated first floor, installing solar panels etc.

Then make a list of all the geometrical shapes that you have used. Also write the mathematical formula to find out the perimeter and area of each shape.

2. Find out the population of top 5 most populated states of India. Then-

- a. Write each numeral in Indian as well as in International system of numeration.
- b. Arrange them in ascending as well as in descending order.
- c. Write each numeral in expanded form.
- d. Find the successor of each numeral.
- e. Round off the population of most populated state to the nearest 10,000.



MATHEMATICS -II



1. Collect and write ten facts about the great mathematician Srinivas Ramanujan.

Also paste his pictures to make your project more attractive.

2.A) Find out the rule which gives the number of matchsticks required to make a matchstick pattern of letter 'T'. Use any variable of your own choice to write the rule. (Hint-You can show the matchsticks required by making T using real matchsticks.)

B) Write an expression using a variable to represent each situation-

a. Eleven decreased by k

b. Eighty five less than x

c. The sum of 5 and k

d. Thrice a number p

e. The sum of x and quotient of b and 3



BIOLOGY



Q1. Agriculture is the backbone of the Indian economy and agritourism is one of the latest concepts to revolutionized the India travel industry. Buoyed by the growing popularity of homestays in India farm stays (essentially a homestay on a farm) are blossoming across the country. Imagine you have planned to visit any one such type of farm stay.

Answer the following questions on the basis of your experience:

- a) 1.How will you planned for this excursion?
- b) 2.How will you reach the location?
- c) 3.Write the name of the owner of that place.
- d) 4.What is the ambience of that place?
- e) 5.What are the benefits of such type of farm stay?

NOTE: Paste pictures in support of your answers.

Q2. Create a booklet of innovative uses of leaves and flower in any three industries such as textiles, cosmetic, pharmaceutical and food product.



PHYSICS



1. How a tea bag immersed in a cup of hot water changes its colour. Name the property responsible for it. Research about the “diffusion”. Diffusion occurs in which state of matter.
2. Use the internet to research what is meant by dry ice and how it is used as a cooling agent. Share your findings with report on it.
3. Describe the favourable locational factors that were responsible for the development of the information technology industry in Silicon valley and Bangalore.
4. Arnav’s mother asked him to close the knob of the gas stove after use, but he forgot. After some time, his mother observed a smell of rotten cabbage in the whole house. She went to the kitchen and saw that the knob was still open. She closed it immediately. Later, she made Arnav understand that it is very dangerous to keep the knob of the stove open, as it can catch fire.
 - a. Which characteristic of gas is responsible for this smell in the whole house?
 - b. Name the gases that a gas cylinder usually contains.
 - c. Is it possible to keep solids and liquids compressed in a cylinder?
 - d. What precautions should we follow to avoid any mishap in the kitchen?
 - e. What would you do in such a situation?
5. Using the internet find out about the five States of matter present the information in the form of a info graphic. Paste relevant images. Make it attractive.



CHEMISTRY



Q1. With the help of picture write the process of making. (Choose any two of your choice)

1.Cotton-----From plant to market

2.Silk-----From insect to market

3.Jute -----From plant to market

4. Tea-----From tea leaves to your tea cup

2.Make a comic book and justify the statement

“ How life start with chemistry and ends with chemistry”



HISTORY/CIVICS



1. Research and create a visual presentation comparing the industrial advancements of a River Valley Civilization (e.g., Egyptian Civilization, Mesopotamia) with modern-day industrialization. Highlight key differences and similarities in technologies, economic systems, and social impacts.
2. Develop a timeline that showcases the evolution of industrialization, starting from early inventions like the wheel in ancient civilizations to the Industrial Revolution and its effects on society, environment, and economy. Include illustrations and brief descriptions for each milestone.
3. Investigate how geographical features, particularly rivers, influenced the development of River Valley Civilizations and compare these influences with modern-day industrial regions. Create a map highlighting key river systems and their historical and contemporary significance for trade, agriculture, and industrial growth.



GEOGRAPHY



Q1. Read Goal No. 9 Industry, Innovation and Infrastructure of Sustainable Development and prepare an informative collage on any five Targets to achieve this Goal till 2030 for Developing countries.

Q2. Make a chart on Comparative study on Challenges and Solutions to achieve Goal 9 Industry, Innovation and Infrastructure of Sustainable Development.

Q3. Create an action plan outlining the steps you will take to implement for conservation or restoration of rivers in your community.

Q4. Identify and document at least 10 conventional signs and symbols related to transportation, communication, or infrastructure. For each sign or symbol, write a brief description of its meaning and relevance to SDG Goal 9.



COMPUTER



Q1. Write the steps to create a table in MS Word of 10 Rows and 4 Columns using Insert Table method (as shown in the figure given below) and do the following task

- Write the steps to Merge the first row and give the heading Sustainable Development Goals.
- In Second Column of the table list any ten technology names which play important role in achieving the SDGs .
- In third Column mention the uses of technology which you have mentioned in the first column.
- In fourth column insert the picture of the technology.

Sustainable Development Goals			
S.No	Technology	Use	Picture
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Q2. Create a PowerPoint Presentation of Maximum 5 Slides on topic **Generation of Computers** and in each slide mention the following things

- About each generation
- Technology used in each generation along with pictures.
- Name the languages developed.
- Examples of different computers developed in particular generation.
- Limitation if any.

Note : Take Print out of the above PPT and submit the hardcopy.



Make a beautiful table organiser with waste boxes

