HOLIDAY HOMEWORK
Class IX
Session: 2022-23

SUBJECTS	WORK
ENGLISH	Q.1) Write a descriptive paragraph, in about 100-150 words on 'My Best Friend', My Champ. Invent all the necessary details on your own. Q.2)Write a short story based on the beginning given below in (100-150) words. 'Nabhya was fond of his grandmother.She would bathe him, give him breakfast,prepare his bag & take him to the school. While he was in the school,she sat in the temple saying her prayers.......................' Also give a suitable title to the story. NOTE: Write this home work in your English 2(Grammar) Notebook.
HINDI	अनुच्छेद-लेखन 1.कैशलेस इंडिया 2.प्लास्टिक की दुनिया 3.विकास का आधार अनुशासन 4.दिनचर्या में खेलो का योगदान 5.परहित सरिस धर्म नहिं भाई
MATHEMATICS	Q1. Find six rational numbers between $\frac{3}{8}$ and $\frac{-1}{2}$. Q2. Find three irrational numbers between $\sqrt{5}$ and $\sqrt{8}$. Q3. Simplify: (i) $\left(\sqrt{8}+\sqrt{2}\right)^2$ (ii) $\left(\sqrt{15}-\sqrt{7}\right)^2$ Q4. Write in the form of $\frac{p}{q}$: (i) $4\overline{36}$ (ii) $3.\overline{5}$ (iii) $0.14\overline{16}$ Q5. Rationalise the denominator of the following: (i)$\frac{6}{3\sqrt{2}-2\sqrt{3}}$ (ii) $\frac{2\sqrt{3}+\sqrt{5}}{2\sqrt{2}-3\sqrt{3}}$ Q6. Simplify: (i) $[1^3+2^3+3^3]^{\frac{1}{2}}$ (ii) $\left(\frac{1}{27}\right)^{\frac{-2}{3}}$ (iii)$\frac{(64)^{\frac{1}{6}}\times(216)^{\frac{1}{3}}}{(4)^{\frac{1}{2}}\times3}$ Q7. Find the remainder when $p(x)=x^3-6x^2+2x-4$ is divided by $(1-2x)$. Q8. Find the value of polynomial $p(x)=10x-4x^2-3$ at p(0), p(1) and p(-2). Q9. Factorise: (i) $4x^2-12x+9$ (ii) $2x^2-7x+6$ (iii) $6x^2+5x-6$ (iv) $9x^2-6x-8$ (v) $4x^2+11x-3$. **Note:** To be solved in fair register

GENERAL SCIENCE	Concept maps are visual representations of information. They can take the form of charts, graphic organizers, tables, flowcharts, Venn Diagrams, timelines, or T-charts. It help you chunk information based on meaningful connections which makes details more significant and easier to remember.
	• Task- Prepare a concept map on any one of the following chapters on A3 sized sheet-
	
	Fundamental unit of LifeORMotion
	• Assessment criteria-
	  1. Creativity
	  2. Presentation
	  3. Content
	• How to submit- Submit your A3 sheet in a Folder, labeled with your name, class and roll number on 4th July.

SOCIAL SCIENCE	1. Complete the work of all the chapters done in the class and learn them thoroughly. 2. Make project on the following topic. The main body of the project must have at least 10 written pages of A4 size besides the Cover page, Acknowledgement, Preface, Contents, and Bibliography. The topic is DISASTER MANAGEMENT.