

**SYNA INTERNATIONAL SCHOOL, KATNI**  
**HOLIDAY HOMEWORK (2019-20)**  
**CLASS-IX**

**HINDI**

1. 'भक्तिकाल' पर आधारित मॉडल तैयार कीजिए जिसके बेस का आकार 2.5 x 2 हो।
2. प्रेमचंद के कहानी संग्रह 'प्रेमचंद की कुछ अमर कहानियाँ' से
  1. नशा
  2. बौड़म
  3. बैर का अंत
  4. सभ्यता का रहस्य
  5. लॉटरीकहानियाँ ध्यान पूर्वक पढ़ें एवं अपने शब्दों में सारांश लिखें। इन पाठों पर आधारित प्रश्न कक्षा मूल्यांकन में पूछे जाएँगे।
3. जो पाठ्यक्रम अप्रैल माह में पूरा करा दिया गया है, उसे लिखकर याद करें।
  1. दुख का अधिकार
  2. पद (रैदास)
  3. गिल्लू
  4. वर्ण विच्छेद

**ENGLISH**

1. Write 3 descriptive paragraphs in about 150 words in A3 sized coloured sheet, based on –
  - a) People - My Youth Icon
  - b) Places – My favourite holiday destination
  - c) Event – International Yoga Day
2. Write an article or a poem or collect some interesting matter for the school magazine. The article/poem should be original and should not be copied from anywhere. (Bring a soft copy)
3. Revise the P.T.1 syllabus completed in April-2019

**MATHEMATICS**

[1]

**CHAPTER 1 - NUMBER SYSTEM**

S.NO.	PAGE NUMBER (N.C.E.R.T. Textbook)	QUESTION NUMBER
1	04	Example 2
2	07	Example 4
3	09	Example 5
4	11	Example 8
5	16	Example 11
6	19	Example 13 and 14
7	24	Write all the laws of exponents of real numbers

[2]

**CHAPTER 2 - POLYNOMIALS**

S.NO.	PAGE NUMBER (N.C.E.R.T. Textbook)	QUESTION NUMBER
1	32	Example 2
2	34	Example 5, Exercise 2.2, Q 2 (iii and iv) Q 3 (v to viii)
3	38	Example 7 and 8
4	41	Example 12 and 13
5	42-43	Example 14 and 15
6	44-48	Example 16 to 25

(3) **Lab Activity: (Must be done in Lab manual)**

- (a) To construct a square-root spiral.

(b) To verify the algebraic identities  $(a+b)^2 = a^2+2ab+b^2$

Note : Assignments from (1) to (3) is compulsory for all the students. Assignment(1) and (2) must be done in small copy of 100 pages and must be done in small copy of 100 pages.

**PROJECT WORK/ACTIVITY**  
**(for selected groupwise students only)**

1. Make a mathematical working model on any topic which would be selected from U – Tube or from any other google sites

## **SCIENCE**

### **Instructions:**

- Project will be done on A-4 size, ruled sheets.
- The project report will be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials ( If required)
- The project report will be presented in a neatly bound simple folder.
- The project report will be developed and presented in this order :
  - ❖ Cover page showing student information, subject, school and year.
  - ❖ List of contents with page numbers.

### **PROJECT/ASSIGNMENT**

1. Make model on any one of the following methods of separation of mixtures.  
Distillation, fractional distillation, separating funnel, separation of components of air, sublimation
2. Make model of three states of matter using glass box and coloured plastic balls.
3. "Cell is a basic unit of life". Explain the functions of different cell organelles. Prepare a model/ chart of **any one** of the following:
  - Animal Cell
  - Plant Cell
  - Mitochondria
  - Chloroplast
  - Endoplasmic Reticulum
4. Prepare a model on modern ways of irrigation.(Innovative Ideas)
5. Make charts on various Strategies of food improvement.
6. Models on integrated farming.
7. Organic farming. (Applications)

## **SOCIAL- SCIENCE**

Make a Model/Project on cardboard using real life articles and waste materials from home, also appropriate stationary items. Discuss with your elders the physical features of INDIA/WORLD.

India/World Physical Features	Model Project

## **COMPUTER**

### **PERSONAL WEBSITE ASSIGNMENT**

Your assignment for HTML is to create a website about yourself. You need to include all of the tags and Front Page principals we learned in class. Use the link from my website to find a guide to help you remember all of these concepts.

#### **Site Requirements:**

- Home page: This page will include a brief introduction of the site, links to the other pages, ;pictures, etc.
- About me page: this page tells about yourself. Where you are from, where you have lived, what activities/clubs are you in, where you have and do go to school, your past, everything we need to know about you, pictures, etc.
- Family Page: This page should include information about each member of your family, how old they are, what they do, etc.  
Pictures page: This page should include an organized set of APPROPRIATE pictures. You can bring them from home and scan them, or bring/send them digitally.
- Future Plans Page: This page should include an outline of what you plan to do in the future. Where will you go to college, what for, where you would like to end up with a job, doing what, etc.
- Resume page: You need to create a resume for yourself. Include that on this page. If you have questions about resume creation, we can discuss it in class.

#### **Minimum Content**

The site will contain at least the following (NOTE! Everything **MUST** be contained within the folder assigned to you, which was created by your instructor):

- three to five pages  
the first (main page) **must** be named "**index.htm**" which will contain links to the second and third pages (all pages may contain links to the others),
- a photograph of the student  
either scanned or a digital image taken at School *if you don't want to use a photo, you can use a substitute image,*
- three *internal* links  
(links to pages within the student's site — such as index.htm linking to page 2 and vice versa),
- four links to other sites  
(a mix of both hypertext links and hyperlink images),
- two still images  
(a mix of both photographs and drawings),
- an animated GIF image  
(in addition to the above three images),
- either a Flash movie, or an HTML 5 Video (a link to a YouTube video doesn't count, but an embedded YouTube video is fine),
- A background image (in addition to the above five images) or a background color on each page.

Each page should have a navigation section (links to all the pages in the website) Site should be functional – all links should work, images show up, etc.

Site should be attractive, easy to navigate, pages should fit together, colors should not clash, etc. Think of all of the qualities we talked about when we discussed well designed web sites. Follow those qualities.

You need to use all of the class time I give you to work on the site.

## **TOURISM**

- i. Make a powerpoint presentation of UNESCO World Heritage Sites of India with Descriptions.
- ii. Make a tour report of your annual tour 2019.