

BANASTHALI PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK, SESSION 2024-25

Circular No. BPS/24-25/13(X)

Date: 27.05.2024

CLASS – X

**The summer days are back again!!
And its vacation time again!
There's sun and shade
And water to wade
Time for some fun and frolic
With ice creams to lick
Activities to indulge in
Places to explore
Yes!! It's vacation time again!!!**



Dear Parents

We believe children are natural learners and have an innate curiosity. They take pleasure in discovery. Hence, we have made an endeavour to induce and enhance thinking skills in them by making them be actively doing things for themselves. Through a lot of physical activity, movement, exploring and first-hand learning by doing things on their own, we facilitate that their learning goes into their long-term memory. We are sure you are there with us in this endeavour of ours.

SUMMER VACATION of the Session 2024-25, for the students of **CLASS X** will commence from **29th May 2024 (Wednesday)** to **30th June 2024 (Sunday)**. The classes will resume from **01st July 2024 (Monday)** onwards. However, the **school office** will remain open from **8:30 a.m. to 12:30 p.m.** on all working days during summer vacation.

Dear Student

Summer vacation is that time of the year when we have the time of our life. We relax, spend time with our family and friends and visit places galore. It's also the time to explore our talents, learn new skills and engage in different activities.

Some suggestions to make the summer break time more special and exciting for you.

1. Learn a new sport or skill and engage in physical activities.
2. Learn dignity of labour by doing things yourself.
3. Plant a sapling and take care of it.
4. Spend quality time with your family members.

GENERAL INSTRUCTIONS:

1. Complete the C.W./H.W. of all the subjects, in the respective subject notebooks in neat and clean Handwriting, if still pending.
2. Holiday Homework will be a part of Internal Assessment. It must be done properly according to the instructions given by the teachers. Beautiful and systematic work will carry extra marks.
3. After summer vacation, the Summer Holiday Homework Notebook/Scrapbook/Project File/Lab Manuals (which-ever applicable) must be submitted in the School for Internal Assessment.
4. Parents kindly make sure your wards complete all the work assigned. Work to be done on regular basis.
5. Do project work of all subjects in respective Notebook provided in the Book set.

Wishing every child, constructive holidays!

Subject Names	Details										
English	<p>I. Art Integrated Projects: Explore Creativity and Culture Transport yourself to the picturesque island Lakshadweep. Dive deep into its rich cultural heritage and natural beauty. Your task is to create an art project that celebrates the essence of Lakshadweep through vibrant paintings, intricate drawings, or captivating sculptures and presents its contrast with Delhi. Remember you are doing this to invite more tourists to both places. Let your imagination run wild as you bring the flavors and aromas of Lakshadweep and Delhi to life through your artwork.</p> <p>Requirements:</p> <p>(a) Word Limit: Aim for 800-1000 words for ‘Incredible Duo: Lakshadweep and Delhi’. (b) Cover page: Create an eye-catching cover with the project title and school/student details. (c) Statement of Purpose: Outline the objectives and goals of your projects. (d) Student Reflections: Dive deep into your thoughts and feelings about the creative process and cultural exploration. (e) Visual Delights: Enhance your projects with photographs, drawings, or sculptures that capture the essence of your experiences. (f) Resource List: Acknowledge the sources that inspired your creative journey.</p> <p>II. BBC Assignments: Explore the World of Language and Literature by doing the assignments.</p> <p>(a) Reading Passage: Practice Assignments 1,2,3 (b) Writing: Pg. No. 122,124 (c) Grammar: Pg. No. 252,253 (d) Literature: Pg. No. 386,387,388</p> <p>III. Find out the Booker Prize winners from India. Identify the skills and attributes they embodied. Write a descriptive paragraph putting light on their work (100-150 words). Capture your reflections in your grammar register. Paste the pictures of the authors and their books.</p>										
Hindi	<ol style="list-style-type: none"> विभिन्न स्वतंत्रता सेनानियों के चित्रों का कोलाज (भित्ति चित्र) बनाइए एवं नेता जी सुभाषचंद्र बोस के बारे में जानकारी एकत्र कर उनके जीवन एवं स्वतंत्रता संग्राम में उनके सराहनीय योगदान को अपने शब्दों में सचित्र व्यक्त कीजिए। (1000-शब्दों में) (परियोजना(प्रोजेक्ट) फाइल में) बीरबल, तेनालीराम, गोपालभांड, मुल्ला नसीरुद्दीन में से अपने किसी मनपसंद चरित्र के कोई दो किस्से संकलित कर लिखिए। (परियोजना(प्रोजेक्ट) फाइल में) सेल्यूलर जेल और हमारे क्रांतिकारी - (सेल्यूलर जेल कहाँ स्थित है एवं वहाँ कैद किए गए क्रांतिकारियों में से किन्हीं दो के बारे में सचित्र वर्णन कीजिए। (1000(शब्दों में) (परियोजना(प्रोजेक्ट) फाइल में) किसी वृद्धाश्रम अथवा अनाथाश्रम का भ्रमण कीजिए। वहाँ आपको जो अनुभव हुए उसके बारे में जानकारी देते हुए मित्र को पत्र लिखिए।(ग्रीष्मावकाश उत्तर-पुस्तिका में) मेरा मतदान ,मेरा अधिकार - इस विषय में एक अनुच्छेद लिखिए।(ग्रीष्मावकाश उत्तर-पुस्तिका में) 										
Mathematics	<ol style="list-style-type: none"> Do the following Questions form ML Aggarwal Book in Assignment Register. Example. No.: 7,17,19,20,27 of Pg. No.: 270 to 278. Example. No.: 4,6,10,16,18,25,27,30 and 34 of Pg.No.: 287 to 300. Exercise 7.3, Q. 1,6,7,9,10,14,19,24 & 25 in Math-1 Register. Complete Activity No.: 8, (15+16) and probability in Mathematics Lab Manual. Prepare Art Integration Project on Delhi, Andaman- Nicobar and Lakshadweep as per given details: Comparative study on the basis of: <ol style="list-style-type: none"> Population Change in last five years or Change in Sex ratio and Morality ratio Agricultural activities etc. Represent the data in tabular form and bar graphs or histogram etc. Make the model on following topic according to given Roll No. <table border="1" data-bbox="371 1910 1195 2130"> <thead> <tr> <th>ROLL NO.</th> <th>Topic</th> </tr> </thead> <tbody> <tr> <td>1-7</td> <td>Geo-Board (Circle/Square)</td> </tr> <tr> <td>8-14</td> <td>Probability</td> </tr> <tr> <td>15-21</td> <td>Clinometer</td> </tr> <tr> <td>22-31</td> <td>Mensuration kit (2D and 3D Shape)</td> </tr> </tbody> </table> 	ROLL NO.	Topic	1-7	Geo-Board (Circle/Square)	8-14	Probability	15-21	Clinometer	22-31	Mensuration kit (2D and 3D Shape)
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Science

1. Do the given Annexure I in respective note books.
2. Make a project on Environmental Science of Lakshadweep, Andaman and Nicobar Islands and Delhi under the following sub headings:
(a) Ecosystems (b) Conservation (c) Climate Change (d) Habitats for animals
3. Make a working model as per roll number and topics given below:

ROLL NO.	TOPIC
1-5	Optical box/working model based on electricity or light/Defect of Vision (Hypermetropia, Myopia,)
6-10	Solar Water Heater/Ecofriendly device for sustainable management.
11-15	Magnetic Effect of Electric Current/ Transport and communication
16- 20	Human Digestive System
21-25	Photosynthesis
26-31	Prepare a ppt to identify given sample is acidic or basic by using chemical and natural indicator.

4. Prepare a portfolio on the following topics:

ROLL NO.	TOPIC
1-8	Pollution of Ganga/Ganga action Plan
9-18	Forests and Wildlife
19-25	Water/Dam/Watershed Management
26- 31	The three R'S to Save environment

5. Learn Ch. 1, 5 and 9 for UT-1.

Social Science

1. Make a **project** in about 10 to 15 pages on the following topics as per Roll No.
(**Roll No. 1-10) Social Issues-** Prepare a project on any three of the following social evils still prevailing in our society; highlighting the reasons, effects and suggest solutions to get them eliminated from our country. •Poverty • Illiteracy • Corruption • Gender Inequality • Inflation, hoarding and panic buying during pandemic crisis • Domestic violence against women and child abuse. The students must write about the following key matter:
(a) Social issues in Indian Society (b) Reforms initiated to combat the social issues
(c) Role of Popular leaders and movements.
(**Roll No. 11-20) Consumer Awareness:** The content must cover the following: • Meaning of Consumer Awareness • Forms of Consumer Exploitation / Malpractices • Factors causing exploitation of the Consumers • Enactment of COPRA 1986 and its benefits • Role of WTO in protection of Consumers • Rights and Duties of the Consumers • Consumer Protection Measures.
(**Roll No. 21-31) Sustainable Development-** The students must write about the following key matter: (a) Need of development. (b) Importance of development (c) Policies initiated to adopt measures for Sustainable Growth
2. Make an **Art Integration Project** in about 10 to 15 pages on island groups under the following heads-
(a) Introduction of Andaman and Nicobar and Lakshadweep
(b) Dance forms of Andaman and Nicobar Islands.
(c) Scuba diving in Andaman and Nicobar Islands.
(d) Conservation of Tribes in Andaman and Nicobar islands.
3. Learn Chapter -1 of History, Political Science, Geography and Economics for UT-1.

Music

1. Learn folk Song/Bhajan with the help of Your Grand Parents and Parents, Write them in A4 Size Sheet, with its name of Folk Song/ Bhajan
2. Write the names of some Classical Vocalist with pictures on A4 size sheet.
3. How many classical Dance are there in India, make a collage of it with names and places it belongs to, on A4 size sheet.
4. Learn Banasthali Anthem from your almanac.

Art & Craft	<ol style="list-style-type: none"> 1. Make any craft items of using sea sell like hanging 2. Make an invitation card using coloured paper, Stone Boards, sea shells and laces etc. 3. Design a using fabric colour T-shirt.
Sanskrit	<ol style="list-style-type: none"> 1. प्रातःकालीन व्यायामेन के के लाभाः सन्ति इति विषयम् अधिकृत्य द्वयोः मित्रयोः संवादं लिखतु। (उत्तरपुस्तिका) (संस्कृत भाषायाम्) 2. अण्डमान-निकोबारदेशस्य भोजनं, वेशभूषा, तीर्थस्थलानाम् च सचित्र वर्णनं कुरुत। (परियोजनाकार्य) 3. स्वसंस्कृतउत्तरपुस्तिकायाम् पञ्च अपठित-गद्यांशाः, पञ्च चित्रवर्णनम्, पञ्च पत्रलेखनम् च कुरुत। 4. व्यञ्जनसंधिः तस्य भेदश्च कलात्मकरूपेण वर्णनम् कुरुत। (A4 SIZE SHEET) 5. अधोलिखित शब्देषु सन्धि कुरुत। अप + ज, षट् + दर्शनम्, जगत् + ईशः, वाक् + ईशः, षट् + मासाः, एतत् + मुरारि, प्रति + अवदत्, विद्या + आलयः, हरि + इच्छा, सूर्य + उदयः, महा + ईशः। 6. पञ्च कण्ठस्थ-श्लोकानाम् सचित्रं वर्णनम् कुरुत। (परियोजना फाइल) (श्री मद्भगवत गीता) 7. पञ्चलकारेषु वाक्य रचयत। भू धातु, अस् धातु, नम् धातु, कृ धातु। (ग्रीष्मावकाशगृहकार्य उत्तरपुस्तिका)
General Computer	<ol style="list-style-type: none"> 1. Read Ch.-1, 2 carefully and also write 10 new words from each chapter in computer notebook. 2. Make a project on Internet, Internet Terminology, Web Server and Services available on the internet with pictures in Project file.

Annexure: I

SCIENCE ASSIGNMENT

CHEMISTRY

1. Write balanced chemical equation for the reaction that takes place during respiration. Identify the type of combination reaction that takes place during this process and justify the name. Give one more example of this type of reaction.
2. A solution of CuSO_4 was kept in an iron pot. After a few days, the iron pot was found to have a number of holes in it. Write the equation of the reaction that took place. Explain this reaction with Fe_2O_3 . State the special name given to this reaction.
3. (a) Crystals of a substance changed their colour on heating in a closed test tube but regained it after sometime when they allowed to cool down. Name the substance and write its formula and explain the phenomenon involved.
(b) Name the compound whose one formula unit is associated with 10 water molecules. How is it prepared? Give equations of related reactions. Give two uses of the compound.
4. When a zinc metal is treated with a dilute solution of a strong acid, a gas is evolved which is used as a rocket fuel. Name the gas evolved. Write the chemical equation of the reaction involved and also write a activity to detect the gas formed.
5. What is the importance of pH in everyday life? Explain giving an example (100 words).

BIOLOGY

Q1. (a) Given alongside is a diagram of the human heart showing its internal structures?

(b) Label the parts marked 1 to 6.

Which chamber of the heart receives deoxygenated blood from the body?



Q2. The figure given alongside has been drawn to explain an important phenomenon of plants.

(a) Name the phenomenon

(b) Explain its importance.

(c) What does the direction of arrows indicate?



- Q3.** Draw a flow chart to show the breakdown of glucose by various pathways.
- Q4.** Why is there a difference in the rate of breathing between aquatic organisms and terrestrial organisms? Explain.
- Q5.** Draw a diagram of human respiratory system and label – pharynx, trachea, lungs, diaphragm and alveolar sac on it
- Q6.** Describe the structure of Nephron with the help of well Labelled Diagram.

PHYSICS

- Q1.** Rohit placed a pencil perpendicular to principal axis in front of a converging mirror of focal length 30cm. The image formed is twice the size of the pencil. Calculate the distance of the object from the mirror.
- Q2.** An object is placed at a distance of 25 cm away from a converging mirror of focal length 20 cm. Discuss the effect on the nature and position of the image, if the position of the object changes from 25 cm to 15cm. Justify your answer without using mirror formula.
- Q3.** A doctor has prescribed a corrective lens of power +1.5D. find the focal length of the lens. Is the prescribed lens diverging or converging?
- Q4.** The speed of light in water is 2.25×10^8 m/s and the speed of light in air is 3×10^8 m/s. Calculate the refractive index of water.
- Q5.** A convex lens forms a real image four times magnified at a distance of 60cm from the lens. Calculate the focal length and power of the lens.

SYLLABUS FOR UNIT TEST – 1 (SESSION-2024-25)

ENGLISH	ENGLISH READER: FIRST FLIGHT: Ch. 1: A Letter to God P-1: Dust of Snow, P-2: Fire and Ice FOOTPRINTS WITHOUT FEET: Ch. 1: A Triumph of Surgery GRAMMAR AND COMPOSITION: Tenses WRITING SKILLS: Letter to Editor
MATHEMATICS	Ch. 1: Real Numbers, Ch. 2: Polynomials Ch. 3: Pairs of Linear Equation in Two Variable, Ch. 6: Coordinate Geometry
SCIENCE	CHEMISTRY: Ch. 1: Chemical Reactions and Equations (Complete) BIOLOGY: Ch. 5: Life Processes PHYSICS: Ch. 9: light- Reflection & Refraction
SOCIAL SCIENCE	HISTORY: Ch. 1: The Rise of Nationalism in Europe GEOGRAPHY: Ch. 1: Resources and Development CIVICS: Ch. 1: Power Sharing ECONOMICS: Ch. 1: Development
HINDI	पाठ्यपुस्तक: क्षितिज (गद्य) : पाठ-7: नेताजी का चश्मा, क्षितिज (काव्य) : पाठ-1: पद (सूरदास) कृतिका: पाठ-1: माता का अँचल व्याकरण: पाठ-1: रचना के आधार पर वाक्य भेद लेखन: पत्र-लेखन, विज्ञापन पठन: अपठित गद्यांश
SANSKRIT	पाठ्यपुस्तक: शेमुषी पाठ-1: शुचिपर्यावर्णम्, पाठ-2: बुद्धिर्बलवती सदा व्याकरणवीथि: चित्रलेखन, घटिका, अनुवाद, सन्धि (व्यंजन सन्धि), अपठित गद्यांश