JESUS AND MARY CONVENT SCHOOL, GREATER NOIDA

HOLIDAY HOMEWORK – 2025-26

CLASS – X

SUBJECT	HOLIDAY HOMEWORK
ENGLISH LITERATURE	1. . Treasure Chest (Poetry)- Roll no. 1-20: Narrate the incident described in the poem'The gloves and the Lions'. How does the poet build up his story? What is his purpose? Roll no. 21-40: The Fall of the 'great trees' is used as the central metaphor in the poem. How? Comment on the development of thought in the poem. 2. Treasure Chest (Short Stories)- Roll no. 1-20: Describe Martin's fear and the role of his fathering trying to remove Martin's fear of Elevator. Explain the lady's first meeting with the Martin in the Elevator and its significance in the story. Roll no. 21-40: Adjoa struggles against hostile circumstances and conquers. Explain the way it happens in her life. How does Adjoa's attitude towards life bring a transformation in her grandmother Nana? 3. Drama: Julius Caesar Roll no. 1-20 Is it correct to say that dead Caesar proves to be more powerful than the living Caesar? Who do you think should consider the hero of the play'Julius Caesar '- Caesar or Brutus? Give reasons for your answers? Roll no. 21-40: Account for the success of Antony's funeral speech,and indicate the manner in which Antony is able to turn the tide of public opinion against the conspirators.Analyse the character of Antony as portrayed in the drama(before and after the assassination of Julius Caesar).
ENGLISH LANGUAGE	Prepare a speech for about two minutes on any of the given topics. 1. 'Look before you leap and think before you speak '. Narrate an incidence from your experience which brings out the truth of this statement. 2. 'Every family should adopt a pet. Express your views either for or against this statement. 3. Which is your most favourite book you have ever read? Describe the story, the characters and what you like about the book. 4. Animals should not be used for drug development or medical research '. Express your views either for or against this statement. 5. Describe what you saw and did at the Republic Day celebrated in your colony. Also state your feelings on being a part of the festivities.
HINDI	व्याकरण नीचे दिये विषयों पर प्रस्ताव लेखन रंगीन प्रोजेक्ट पृष्ठ पर करें - क) वर्षिक परीक्षा और आतिथि आगमन । ख)यदि मैं स्वतंत्रता सैनानी होता । अपनी व्याकरण की पुस्तक से सभी शब्द भंडार याद करें । पर्यायवाची

		विलोम
		अनेक शब्दों के लिए एक शब्द
		भाव वाचक संज्ञा
		मुहावरे
		लोकोक्तियाँ
MATHS		***1. Project topic roll no.(1 to 10)** **Trigonometry**** Applications of trigonometry The working of the project involves the following: 1. What is trigonometry? 2.Trigonometry applications in real life 3. Use trigonometry to measure height of a building or a mountain (or a similar problem of your choice) Attach relevant pictures 4. Write about the uses of trigonometry in: *Aviation * Criminology *Marine biology * Navigate *Some other uses too ***2. Project topic roll no (11 to 20)** Total Surface Area and Volume of Combination of any three dimensional figure* Select any 3 three dimensional solids and draw the diagram of combination of solids and find the total surface area and volume of combination of solids . You have to explain each solids individually too. You can take any 3 (3D solids) of your choice like Cone , Cylinder, Sphere , hemisphere etc **3. *Project topic roll no.(21 to 30)** Probability Demonstration with the help of Coins* Take three coins of different denominations. You have to toss these coins at the same time and you will come across following probable outcomes: HHH, THH, HTH, HHT, TTH, HTT, THT, TTT (8 outcomes are possible) Where H = Head and T = Tails Now you will calculate the probabilities of any 6 events; suppose the probability of 2 heads = 4/8 = ½ and so forth. **4**. ***Project topic roll no. (31 onwards all)** Commercial mathematics* Carry out a survey of atleast 2 banks and collect information on the different types of bank accounts and rates of interest offered for various loans like home loan , student loan etc. And interest offered for savings and recurring scheme. (Bank brochures and forms could be used to illustrate the same) Working to the project: Visit any two banks' website and collect details with reference to the following: 1. Name of the bank 2. Types of account available and details 3. Types of loans 4. Supporting evidence

	If you have to make an account in a bank, which bank would you choose 5. Which bank is giving the best offer under the scheme of R.D. for a monthly deposit Rs. 1200 /- for 3 years? *Common instructions for all* Following are the parameters of assessment Kindly make sure you consider them while working for the project. 1. Preparation/ selection of a well defined problem in the topic you have been alloted. 2. Use of mathematical concepts 3. Accuracy and computation of data 4. Presentation 5. Understanding of the concept 6. Creativity The project should be ideally between 12 to 20 pages (excluding cover page, index and Bibliography) It should contain 1. Cover page (it includes school's name, mathematics project, topic of the project, name of the student, ID, class and section, Submitted to:) 2. Acknowledgement 3. Content/ index 4. Learning objectives, learning outcomes, methodology 5. Introduction (what the assignment is about/ what problem is being tackled) 6. Main content (how the problem is being tackled) 7. Conclusion and Analysis (what is the solution of the problem) 8. Bibliography (Use of computer for research and design purposes will be appreciated) a. Spiral bind your project. No stick files will be accepted. b. Viva will be based on the project topic and from the book too. Generally formulas and the statement of theorems.
PHYSICS	(A) Prepare a project on the Topic "MACHINE" or "LENS". (B) Do PREVIOUS FIVE- YEARS BOARD QUESTIONS related to chapter-1, 2 and 3(A) ...on A-4 size sheet. (C) Do "A set of practice questions" given at the end of the chapter-1 and 2 in your PHYSICS CLASSWORK NOTEBOOK. (D) Complete your PHYSICS CLASSWORK NOTEBOOK till date. (E) Prepare chapter 1, 2 and 3(A) for class test.

CHEMISTRY	Topic- Variation of periodic properties in group and period in Modern Periodic Table.
	    1. Atomic size
	    2. Metallic character
	    3. Non- metallic character
	    4. Ionization potential
	    5. Electron affinity
	    6. Electronegativity
	Explain each property in terms of number of shells and nuclear charge with suitable graph and paste diagram related to the property.

BIOLOGY	Make a project report on the topic POLLUTION. TOPICS to be covered are as follows. 1. Types and sources of pollution; major pollutants. 2. Biodegradable and Non-biodegradable wastes. 3. Effects of pollution on climate, environment, human health and other organisms; control measures.

HISTORY AND CIVICS	With reference to the relations between the Centre and States in India, Comment on-'Why is India called a quasi-federal state'.
GEOGRAPHY	Prepare a file on the given topic -(minimum 20 pages) Use colour maps, flow charts, wise use of graphical terms and information. Wild life conservation efforts in India.Name and explain the wildlife conservation projects launched by the government of India and the improvement done in recent times
COMPUTER	Solve all unsolved exercises and question/answer of chapter 1(pg 62 and 63) from the book Computer Application (Inventant Education) Solve short answer type questions in computer notebook.