Project - 2018 - 2019
Class : X Sc./ Com.

Subject	Topic
English Language	**Listening Skills** A passage of about 300 words will be read aloud by the examiner twice, the first time at normal reading speed and the next time at a slower speed. Candidates may make brief notes during the readings. They will then answer an objective type based on the passage on the paper provided. **Speaking Skills** Each candidate will be required to make an oral presentation of about two minutes, which will be followed by a discussion on the subject with the examiners for about three minutes. Subjects for presentation may include narrating an experience, providing a description expressing an opinion, giving a report relating an anecdote or commenting on a current event.
English Literature	**The Merchant of Venice** Write a summary of the Merchant of Venice from Act I to Act III. (not exceeding 600 words in total) **Prose** Write a summary of any of the prose chapter from the book Treasure Trove Also mention the Theme and Character Analysis of the protagonist of the chapter. (not exceeding 900 words in total) Paste relevant pictures related to the project.

Subject	Topic
Hindi	I राष्ट्रभाषा हिन्दी 　1. राष्ट्रभाषा का अर्थ 　2. संविधान में हिन्दी की स्थिति 　3. हिन्दी के गुण 　4. हिन्दी व हिन्दी भाषियों की स्थिति 　5. भारत में अंग्रेजी का वर्चस्व 　6. हिन्दी को प्राथमिकता की आवश्यकता 　7. राष्ट्रभाषा के प्रति हमारा कर्त्तव्य यथा स्थान, आवश्यकतानुसार चित्रों का संयोजन करें। II अपनी पाठ्य पुस्तक (साहित्य–सागर) की किसी एक रोचक कहानी का संक्षिप्त विवरण लिखे। 　1. लेखक परिचय 　2. कहानी का परिचय एवं सारांश 　3. कहानी का उद्देश्य 　4. प्रमुख पात्रों का चरित्र–चित्रण 　5. शीर्षक की सार्थकता 　6. यथा स्थान चित्रों का संयोजन करें।
History/Civics	Project: Suggested by the Board Topic: Highlight the work and achievements of Nobel Laureate Kailash Satyarshi. 　- Kailash Satyasthi is a renowned Indian Child rights activists and the winner of Nobel Peace. Prize in 2014. He is the founder of the Bachpan Bachao Andolan (BBA) an organization which works for the eradication of child labour and rehabilitation of the rescued child workers. 　- He formed the Bal Ashram in Rajasthan where the newly rescued children are taught basic skills. 　- He also served as a member of the UNESCO's Education for all and has addressed the UN's General Assembly, International labour conference, and UN Human Right Commission. 　- Substantiate your work with pictures, newspaper cuttings and relevant material and take help of You Tubes.

Geography	Topic – Transport in India
	
	1. Introduction
	2. Roadways
	    (i) Importance
	    (ii) Network
	    (iii) Types
	    (iv) Development of Roads
	3. Railways
	    (i) Types
	    (ii) Importance
	    (iii)Problems
	    (iv)Development of Railways
	4. Airways
	    (i) Classification
	    (ii) Importance
	    (iii) Problems
	    (iv) Development of Airways
	5. Water Ways
	    (i) Modes of water ways
	    (ii) Importance
	    (iii) Problems
	    (iv) Development of water ways
	    (v) Conclusion

Mathematics	**<u>Mathematics practicals.</u>** 1. Survey of various types of bank accounts, rates of interests offered. 2. Take a square sheet of paper of side 10 cm. form small squares are to be cut from the corners of the square sheet and them the paper folded at the cuts to from an open box what should be the size of the squares cut so that the column of the open box is maximum. 3. Find by instruction the center of a circle using only a 60-30 set square and a pencil.

Subject	Topic
Physics (Practical)	1. (a) To prove the Principle of moments using a meter rule and know weights. (b) To find out an unknown weight using the Principle of moments. 2. To use a meter rule to prove for three different cases. MA < VR, MA = VR and MA > WR 3. To trace the course of different rays of light refracting though a glass slab at different angles of incidence. Measure the angles of refraction and emergence. Also measure of lateral displacement. 4. For a triangular prison, trace the course of rays passing through it, measure angles i_1, i_2, A and δ. Verify $i + i_2 = A + \delta$. 5. Determine the focal length of a convex lens by using a needle and a plane mirror. 6. Determination of specific heat of a metal by method of mixtures. 7. Using a simple circuit verify draw a graph and obtain the Ohm`s law. 8. To determine equivalent resistance using a pair of known resistances combined in series and parallel. 9. Set up a model of house hold wiring including ring main circuit. Study the functions of sutures fuses.

Subject	Topic
Chemistry	1. Identification of Gases. 2. To identify the given substances by physical examination. 3. Identification of some unknown substances by studying the effect of heart. 4. To identify the metallic iron present in the given salb by flame test. 5. To study the effect of dilute H_2So^4 on ions. 6. To identify the cations using NaoH solution. 7. To identify the cations using NH_4OH solution 8. To determine the PH range of different samples. 9. To use of PH in soil analysis. 10. To distinguish between copper oxide and manganese dioxide.
Biology	1. To study the different stages of mitosis with the help of permanent slides of plant cells. 2. To demonstrate the process of osmosis using a potato osmoscope. 3. To show that plants carry out transpiration with the help of their leaves Bell jar experiment. 4. To measure the rate of transpiration with the help of Gannon's photometer. 5. To show that carbon-dioxide is necessary for photosynthesis. 6. To study the internal structure of the human heart. 7. To study the structure of the human urinary system. 8. To identify different types of Blood cells from a human blood smear when observed under the microscope. 9. To study the structure of the human eye and identify the various parts. 10. To study the structure of the human ear and identify the various parts.

Subject	Topic
Commercial Studies	**Project - I** Marketing – Its objectives, design a new product and pricing strategy to be used for the new product. **Project - II** Sales Promotion and Techniques of sales promotion. Study the sales promotion programme of a leading Brand or Company and write about it. **Project - III** Rise of E-commerce in Indian Market. The success story of any one online shopping or advertising company.
Economics	**1. Entrepreneur –** Meaning, its role in economic development and the essential qualities required to be a successful entrepreneur. Give a detail study of a renowned entrepreneur. **2.** Prepare a project to understand the following concepts. Law of supply- Statement, explanation, assumptions, reasons for the operation of the law and exceptions. **3.** Write a detail study on (i) RTI (II) COPRA

Principal