SAINIK SCHOOL AMBIKAPUR

HOLIDAY HOMEWORK – CLASS: 12

16 Nov- 03-Dec 2020

All Homework should be submitted by **03-Dec-2020,** H/W rec'd after that shall not be accepted.

H/W can be sent to the respective subject WhatsApp Group or by mail at ***homework_ssap@hotmail.com***

Ser	Subject	Teacher	Homework	Remarks
1	English	BKP	1. Read at least two works of fiction of your choice. You may purchase the books from the following sites: www.oxfordbookstore.com/dotcom/oxford/ www.amazon.in/literature-fictionbooks/b?ie=UTF8&node=1318157031 www.flipkart.com/books 2. Cut out 5 clippings of Classified Ads under the heads – • For sale • To-let • Situation vacant • For matrimonial • Pets / kennels 3. Watch at least 3 English films and .You may look at the following list for ideas. **Make a list of a dozen interesting or impressive dialogues. Record them in your own speech and submit.** a) Schindler's List. b) Gandhi. c) Hotel Rwanda. d) Erin Brockovich. e) West Side Story. f) Inception g) Gravity h) Life of Pi i) Labyrinth j) Interstellar	
2	Maths	MSN	1. **Miscellaneous Exercise** from – Applications of Derivatives, Integrals, Vectors, 3-D Geometry & Probability. 2. **Activities** : 21 and 22 3. **Project** : Select any two from the list given.	
3	Physics	RMR	Write the practical record of the following experiments. **SECTION -A** 1. To determine resistivity of two / three wires by plotting a graph for potential difference versus current. 2. To find resistance of a given wire / standard resistor using metre bridge. 3. To determine resistance of a galvanometer by half-deflection method and to find its figure of merit. 4. To find the frequency of AC mains with a sonometer **SECTION-B** 1. To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v. 2. To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation 3. To find refractive index of a liquid by using convex lens and plane mirror. 4. To draw the I-V characteristic curve for a p-n junction diode in forward bias and reverse bias	

4	Chemistry	DT	1. Study of the presence of oxalate ions in guava fruit at different stages of ripening 2. Study of quantity of casein present in different samples of milk. 3. Preparation of soybean milk and its comparison with the natural milk with respect to curd formation, effect of temperature, etc. 4. Study of the effect of Potassium Bisulphate as food preservative under various conditions (temperature, concentration, time, etc.) 5. Study of digestion of starch by salivary amylase and effect of pH and temperature on it. 6. Comparative study of the rate of fermentation of following materials: wheat flour, gram flour, potato juice, carrot juice, etc. 7. Study of common food adulterants in fat, oil, butter, sugar, turmeric power, chilli powder and pepper.	**PIs, do project in such a manner that project of 1st and 8th cadets must be same and 2nd and 9th and so on.**
5	Biology	MKT	Choose any topic of class XI or XII standard (Not below class XI Standard) and write an investigatory project on it and submit it on your return as "part of class XII CBSE practical examination".	
6	CS	PD	Complete your Computer Sc. Practical Notebook (Program PDF is attached separately)	