SAINT JOHN’S ACADEMY

WINTER HOLIDAY HOMEWORK (2014 - 2015)

CLASS VII

NOTE:- These assignments are to be done on separate answer sheets and submitted to the subject teachers on the first day when the school reopens.

**ENGLISH LANGUAGE**

Q1. Phatik’s mother wrote to his friend to enquire about how Phatik was doing? Imagine you are Phatik’s friend. Write an informal letter to his mother to explain what happened to Phatik. Use these suggestions.

1. Give details about the events.
2. Informal letters involve writing about matters that are familiar to us.
3. Informal letters are written as if one person is speaking to another.
4. There are no strict rules of style and the letter may be handwritten or typed.

Q2. From a newspaper article pick out five sentences and write its tense form and frame sentences in the various other forms.

**ENGLISH LITERATURE**

Q1. Explain in your own words (100 – 150). What is the importance of friends and friendship in your life. And till which extent can you keep up your friendship at various situations. Describe any one situation.

Q2. One who praises with a view to please others and gain his favour to accomplish some is a flatterer. How much does flattery help in keeping friendship or maintaining it for a longer run? Write your views about it.

Q3. Stick picture and write a paragraph about William Shakespeare.

**MATHEMATICS**

Q1. Write and learn all formulae of the chapters – 13, 14, 15, 16, 32, 36, 37 and 38.

Q2. What is a quadrilateral? Write the types of quadrilateral with their definition and properties.

Q3. Find the mean weight of your family members.

Q4. Draw a bar graph representing the percentage of marks obtained by you in your halfyearly exams.

**PHYSICS**

Q1. With the help of a battery or cells, small bulb, copper wire and a metal key, plastic pen, eraser, pencil, with both side sharpened and exposing lead and a wood try to identify which among these can conduct the flow of electricity and which can not?

Q2. Make a table and write your observations using a glass slab try to identify the lateral displacement of light and explain it with the help of a diagram.

Q3. Tell the nature of electricity that reaches our home and explain how it is different from the electricity produced by a battery.

Q4. Make a model of Solar Eclipse or Lunar Eclipse or Periscope or a Keleidoscope.

**CHEMISTRY**

Q1. Using paper, thermocol, cardboard or any other waste material make any two apparatuses used in the chemistry laboratory.

Q2. Stick any five objects or samples of plastics; write the type of plastic it is, with the properties.

Q3. Make your own turmeric paper, cut it into five stripes and test the following for acid/ base. Make your observation chart and stick the strips in the note book.

1. Lime juice (lemon juice)
2. Lime water
3. Vinegar
4. Grapes juice
5. Detergent solution

**BIOLOGY**

Q1. Find the nutrients (amount of carbohydrates, fats, proteins, vitamins and minerals) of any five fruits, vegetables or pulses which resemble the human body organs, draw and write about them in your biology note book.

Q2. Make a 3D – model on any one of the following:-

1. Ultrastructure of a plant cell or animal cell.
2. The respiratory system in humans.
3. The urinary system in humans
4. Longitudinal system of a kidney
5. Ultra structure of a nephron
6. The structure of a bacteriophage

**HISTORY**

Q1. Collect information and pictures of the governor and the chief minister of your state. Make a list of achievements and failures of the chief minister.

Q2. On an outline map of India, mark out the areas under Akbar’s reign.

Q3. Distinguish between Jahangir and Shah Jahan on the basis of the following:

1. Picture
2. Achievements
3. Downfall
4. Comparison as rulers
5. Administration

**GEOGRAPHY**

Q1. Observe the climatic map of South America given on page no. 114 of your Geography Book.

 Answer the following and locate them on an outline map of South America.

1. Name two regions that receive scanty rainfall.
2. Name two regions that receive very heavy rainfall.
3. Name the winds that bring rain to the northern and the southern parts of the continent, respectively.
4. Which ocean current influences the Pacific coast of South America?

Q2. South America has an amazing variety of wildlife. Prepare a collage on a chart paper of some unique animals of South America.

**COMPUTER SCIENCE**

Q1. Write a short note on Java and its features.

Q2. Define all the three types of java constants.

Q3. Write a Java Program to calculate the total and average marks.

 **(Eng=70, Math=80, Hindi=75, Computer= 75)**

Q4. Write a program in java to calculate the area and perimeter of a rectangle having length 12 cm and breadth 10 cm.

**{Area= length \* breadth, perimeter=2\*(length\*breadth)}**

**GENERAL KNOWLEDGE**

QI. Answer the following questions:-

1. Where will the Common Wealth Games 2018 be held?
2. Name the recent autobiography of Sachin Tendulkar.
3. Name the governor of RBI.
4. Which country became the member of UNO recently?
5. Which Indian won the nobel prize for peace 2014?

QII. Write about what’s going to happen from 16th – 22nd December 2014 as told by NASA. Write briefly by sticking a few pictures of it.

**VALUE EDUCATION**

QI. As a responsible citizen of India what is your contribution to the Swach Bharat Abhiyan. Also write any 5 steps you would take to make people aware of the importance of keeping their surroundings clean.

 Through pictures show the steps taken by you to keep your school campus clean.

QII. Write any 10 steps you would like to take to bring about a change in Discipline of your class. (Decorate the page and use different ideas.)

**HINDI**

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**SANSKRIT**

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