SAINT JOHN’S ACADEMY

PROJECT/ ASSIGNMENT FOR CLASS IX 2014-15

TO BE COMPLETED BY 15TH JULY 2014

**ENGLISH LITERATURE**

**Note :-**Word limit for Q1. (350 – 400 words)

Word limit for Q2. (300 – 350 words)

Q1. Find out about Rabindra Nath Tagore – his early life, schooling, popular works and achievements. What elements are present in the poem – ‘Where the mind is without Fear’ that prove him to be a philosopher and a true patriot?

Q2. Each of us can be a hero if we discover our inner self and realize our true potential. Elucidate the given statement with reference to India’s Heroes.

**MATHEMATICS**

(ANY THREE TO BE DONE)

1. Find the cube root of the following numbers by continuous subtraction method.
2. 729 (ii) 2197
3. Find the square root of the following numbers by continuous subtraction method.
4. 289 (ii) 324
5. Show the geometric verification of identity (a – b)2 = (a + b) (a – b) paper cutting and pasting method.
6. Show that (by paper pasting method) that the sum of interior angles of a triangle is equal to 180°.
7. Find the values of the following algebraic expressions by paper pasting method.
8. (x+4)(x+3) (ii) (x+6)(x+5)

**HISTORY/ CIVICS**

Describe the functioning of the Local Self Government in your city/town/village.

**GEOGRAPHY**

Project:- Meteorological Instruments and their Uses

**PHYSICS**

To be marked on practical.

**CHEMISTRY**

To be marked on practical.

**BIOLOGY**

Survey your area and write a report on the types of vectors. The disease which they carry and their means of elimination.

Survey your area and find various means of water contamination, and the disease carried by the contaminated or polluted water. Prepare a report.

**COMPUTER APPLICATIONS**

Question 1.

What is a network protocol?

Question 2.

Why do we need network protocol? Illustrate with the help of an example.

Question 3.

What does a search engine operate? Explore and illustrate how to filter search result by extensions (like searching only for .pdf or .doc files).

Question 4.

Explore and enumerate some features of any latest operating system like MS Windows 8 or Ubuntu 14.

Question 5.

Distinguish between minimum and recommended system requirement of an operating system.

**COMMERCIAL APPLICATIONS**

Evaluate the tools (letters, emails, video conferencing, memo, phone etc.) of business communication in Commercial Organisations.

**PHYSICAL EDUCATION**

To be marked on practical.

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