

SAINT JOHN'S ACADEMY
ASSIGNMENTS & PROJECTS FOR CLASS IX
2017-18

NOTE: The Assignments/ Projects should be original and neatly presented.

ENGLISH LITERATURE

Assignment should be of 300 to 400 words each.

Q1. Prose:

Compare the Red Indian's belief systems with those of the white men.

Q2. Poetry

How does the poet justify that trees contribute in a great way to the society for civic good?

Q3. Drama

Describe the considerations which lead to the choice of the caskets in the case of the three suitors:-

The Prince of Morocco

The Prince of Arragon

Bassanio

MATHEMATICS

Attempt any three.

- (1) Show the geometric verification of identity $(a^2 - b^2) = (a + b)(a - b)$ by paper cutting and pasting method.
- (2) Show (by paper pasting method) that the sum of interior angles of a triangle is equal to 180° .
- (3) Using the pattern given solve the following series

Ex. $1+3+5 = 3^2$

(i) $1+3+5+7+9+11 = \text{-----}$

(ii) $1+3+5+7+\text{---}49 = \text{-----}$

(iii) $1+3+5+7+\text{-----}89 = \text{-----}$

- (4) Using the pattern given solve the following sums.

Ex. $4^2 - 3^2 = 4+3$

(i) $9^2 - 8^2 = \text{-----}$

(ii) $7^2 - 6^2 = \text{-----}$

(iii) $13^2 - 12^2 = \text{-----}$

- (5) Three natural numbers m, n, p are said to form pythagorean triplet if m is the smallest & $m > 1$ then $m^2 + n^2 = p^2$ and $(2m, m^2 - 1, m^2 + 1)$ are pythagorean triplets then find the pythagorean triplets for the following sides assuming the smallest.

(i) 7 (ii) 8 (iii) 15

GEOGRAPHY

Attempt any two.

- Q1. Make a project on the Natural Regions of the world based on its climatic conditions, natural vegetation and wildlife. Make it interesting by pasting pictures.
- Q2. Prepare a pictorial representation of the Landforms of the Earth. Give examples of atleast two for each kind with pictures.
- Q3. Make a project based on pollution – The different kinds, causes, effects and preventive measures. Collect recent data related to the topic.

HISTORY

'The Indian Constitution protects the rights of children, women, minorities and weaker sections.' Elaborate on the basis of a case study.

COMMERCIAL APPLICATIONS

1. Study the working of Fast Moving Consumer Goods (FMCG) industry in India – take any four firms of the industry and group them according to their objectives (Profit/ Non – Profit Making)
2. Write a comparative study of different core industries in India – take any five industries (such as cement, steel, paints, paper, infrastructure) and group them according to various factors such as growth, profit potential etc.
3. Critically evaluate the ways (verbal & non – verbal) of business communication in a commercial organisation. Write the factors which make one or the other method appropriate based on your understanding of commercial organisation.
4. Critically evaluate the tools (letters, e-mails, video conference, memo, phone) of business communication in a commercial organisation. Visit any commercial organisation to understand the working & importance of each of these tools.

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