

**SAINT JOHN'S ACADEMY**  
**WINTER ASSIGNMENT (2018-2019)**  
**CLASS VIII**

NOTE:- These assignments are to be done in separate answer sheets and submitted to the subject teachers on the first day when the school reopens.  
All students are required to submit an original article for the School Magazine.

**ENGLISH LANGUAGE**

Q.1 Read the following passage carefully and answer the questions given below:

**Julius Caesar** (100-44BCE), was a Roman general, politician, and writer. He became the most important person in Rome when he defeated his former son –in-law, Pompey the Great, in a bitter civil war. After being made dictator for life, Caesar was assassinated by his political opponents.

Gaius Julius Caesar was born in Rome into a famous patrician (aristocratic) family. His family claimed to be descended from the goddess Venus by way of her son Aeneas and his son Ascanius (also called Iulus). Caesar's aunt was married to the great Roman general and popular leader Gaius Marius.

After many political and military struggles, which included fighting his friends, Caesar had become undisputed master of the Roman world. At the start off 44BCE, he was made dictator for life and given honors normally given only to gods.

He pardoned the followers of Pompey, someone who was his sworn enemy, and the people honoured Caesar for his leadership and triumphs.

Caesar wisely used the power he had won, and he made many important reforms. He tried to control dishonest practices in the Roman and provincial governments. He reformed the calendar to create a 365-day year with one extra day every four years. He established a plan for reorganizing city government in Italy. He tried to reconcile his opponents by appointing them to public office. He also granted Roman citizenship to many people in the provinces.

Caesar improved the situation of Rome's poorest people. He established colonies, notably at Carthage and Corinth. He continued to distribute free grain but reduced the number of people eligible for it. He is said to have planned many other reforms, such as the founding of public libraries and the constructions of a canal across the Isthmus of Corinth.

Caesar was regarded as one of the foremost orators of his time. He was also highly regarded as a writer. He composed a series of commentaries on the Gallic War and another work about the civil war of 49 BCE. These works won praise for their clear, elegant style.

- i) Who was Pompey and what had happened to him?
- ii) Who was Julius Caesar and why people honoured him?
- iii) How did Caesar use his powers?
- iv) What changes he brought after attaining power?
- v) Give antonym of: win, friend

Q.2 Write summary of the above passage in not more than 50 words.

Q.3 Imagine you are a newspaper reporter. Write a report on a road accident that occurred near a railway station. Use the clues given below.

Time : 6 :00am

Place : Near railway station, city

Injured : two teenagers

Vehicles : teenagers on bike collided with a truck.

Q.4 Do as directed. Re-write the sentences:

- i) The parents did not attend the marriage. The children did not attend the marriage. (Re-write using conjunction)
- ii) The mother told, "Rajat don't get friendly with strangers." (change into indirect sentence)
- iii) Ritwik made the tea. He was quick. (combine the sentence using an adverb)
- iv) Sonal worked \_\_\_\_\_ Panasonic for many years. (use Preposition and re-write the sentence)
- v) His proposal was accepted. (use antonym and re-write the sentence)
- vi) Hercules was the strongest of all men. (Re-write using comparative degree)
- vii) Shut the door. (Re-write using interrogative form)
- viii) Chetan offered to \_\_\_\_\_ me his car. (use correct form of 'lend' and re-write the sentence)
- ix) They sent a brochure to all the members of the club. (Re-write the sentence using 'been')
- x) We teach our students English and French. (Begin with – "our students-----")

- Q.5 i) Make beautiful formal invitation card inviting Mrs. & Mr. Kapoor on your grandfather's 50<sup>th</sup> birthday celebration.
- ii) Draw a beautiful informal, invitation card inviting your friend for 'Christmas party' at you home.

### **ENGLISH LITERATURE**

Q.1 Give two different meanings of the following words. (Look up your dictionary for the meanings)

- |                   |                    |                 |
|-------------------|--------------------|-----------------|
| i) allowance      | ii) prevailed      | iii) insurgency |
| iv) compassionate | v) evacuation      | vi) mist        |
| vii) reverting    | viii) aristocratic | ix) focus       |
| x) raggedly       |                    |                 |

Q.2 Make sentences with any five words given above.

Q.3 Read the chapter 'The Merchant of Venice' and write few lines about each character of the chapter.

Q.4 "Are you going to finish that pair of shoes today?"

- i) Who said these words and to whom?
- ii) Describe 'you' of the above lines
- iii) Why was 'you' that kind?
- iv) Where did you learn to make shoes?

Q.5 Kabir now had goose bumps on his arms and Mrs Barvah was looking down.

- i) Who is Kabir? Why did he have goose bumps?
- ii) Who is Mrs Barvah? Why was she looking down?
- iii) What happens in the chapter after the above lines?

Q.6 Imagine you are the young girl who visited the old shoemaker in prison. Write a short paragraph describing the meeting. Mention what the prison cell looked like, how the old man looked and behaved. What he said, how this affected you and how you felt after the meeting.

## MATHEMATICS

Attempt all the questions.

Que -1 Draw a net of cuboid with sides 4 cm, 5 cm and 6 cm. Find the surface area of cuboid with the help of the net.

Que -2 Draw a circle of radius of unknown length. Put a thread along with its boundary. Measure the length of thread . Then using formula  $\frac{\text{circumference}}{\text{diameter}} = \pi$ . Find the radius of the circle.

Que -3 Find A:B:C if  $4A=5B=6C$ .

Que -4 A can do a work in 25 days which B alone can do in 20 days . A started the work and was joined by B after 10 days . In how many days the whole work was completed?

Que-4 Construct a rhombus ABCD in which diagonal AC = 5.8 cm and diagonal BD = 6.4 cm.

Que-6 Find the area of a rhombus , each side of which measures 20 cm and one of the diagonals is 24 cm.

Que-7 A wire is in form of a semi circle of radius 28 cm. It is straightened and bent into the form of a square. What is the length of the side of the square?

Que-8 A classroom is 10 m long 6.5 m broad and 5m high. If each student is to be given 1.6 sq. m of the floor area, how many students can be accommodated in the class room. How many cubic m of air each student will get?

Que-9 If  $x^2 + \frac{1}{x^2} = 47$  find the values of  $x + \frac{1}{x}$ ,  $x - \frac{1}{x}$

Que-10 What same number should be added to each of the numbers 2 ,7, 10, 25 so that they may be in proportion.

Que-11 The selling price of 18 books is equal to the cost price of 21 books . Find the gain or loss percent.

Que-12 Toffees are bought at 15 for Rs. 20. how many toffees would be sold for Rs. 20 so as to gain 25%?

Que-13 By selling an almirah for Rs. 10416, a man gains 12%. what will be the gain or loss percent if it is sold for Rs. 9114?

Que-14 A dealer purchased a washing machine for Rs. 7660. After allowing a discount of 12 % on its marked price, he gains 10% . Find the marked price.

Que-15 Find a single discount equivalent to two successive discounts of 40% and 5%?

Que-16 Find the amount and the compound interest on Rs. 10000 for three years at 10% per annum compounded annually.

Que-17 A mango tree of height 125 cm was planted 3 years ago. If it increases at the rate of 20% per year, what is its present height?

Que-18 A man reduces his weight in the ratio 8:5 . What is his weight now, if originally it was 72 kg?

Que-19 A pipe can fill a tank in 16 hours. Due to leak in the bottom, it filled in 24 hours. If the tank is full, how much time will the leak take to empty it?

Que-20 A father is 7 times as old as his son. Two years ago the father was 13 times as old as his son. What are their present ages?

## PHYSICS

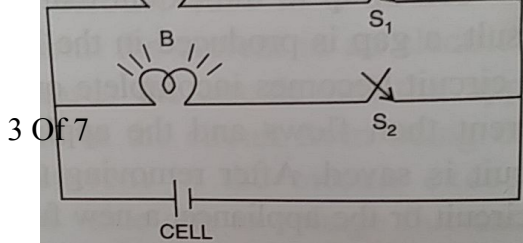
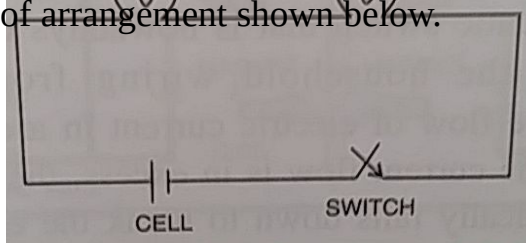
Q.1 What is an electroscope? Explain the application of gold leaf electroscope.

- Detection of charge on a body
- Detection of Nature of charge
- Test for Conductor or Insulator.

Draw the figure to explain your answer.

Q.2 An electric bulb 100 watt, an electric press of 750 watt and a television of 300 watt are used for 5 hours daily. Calculate how much energy will be consumed after 20 days.

Q.3 In the given figure, two ways of connecting the two bulbs A, and B to a battery is shown. Name the two arrangement which of them do you prefer to use in a household circuit? Give reason to support your answer. Try to get two advantages of the two types of arrangement shown below.



- Q.4 Explain the mechanism of hearing in human body. Draw the figure to support your answer.
- Q.5 A man saw a cracker burst at night at a distance from his house. He heard the sound at the cracker a little later after seeing the cracker burst. Give reason and fact to support your answer for the delay in hearing the sound.
- Q.6 Explain the ways of changing the pitch in different musical instruments given below.  
i) stringed instruments  
ii) Membrane instrument.  
Also paste some pictures of the instruments used above.
- Q.7 Explain the mechanism and purpose of using an Electric Fuse. Give the characteristics of a Fuse and how is it different from MCB.
- Q.8 Explain how longitudinal waves travels from one place to another. Explain how these waves are different from Transversal waves.

### **CHEMISTRY**

- Q.1 i) Explain the structure of diamond. Show the arrangement of carbon atoms in diamond with the help of a neat labelled diagram.  
ii) How will you remove coloured matter from water? Explain through activity.
- Q.2 i) Differentiate between solution, suspension and colloids. Give three examples of each.  
ii) Explain the different methods of removing temporary and permanent hardness of water.
- Q.3 i) What is deuterium? Find out how it is different from hydrogen. Also, find out about the uses of deuterium. Draw the atomic structure of deuterium.  
ii) Divide the following redox reaction into oxidation and reduction half reactions. Also, find out the oxidizing and reducing agent.  
a)  $\text{CuO} + \text{H}_2 \longrightarrow \text{Cu} + \text{H}_2\text{O}$   
b)  $\text{Cl}_2 + \text{H}_2\text{S} \longrightarrow 2\text{HCl} + \text{S}$   
c)  $\text{ZnO} + \text{C} \longrightarrow \text{Zn} + \text{CO}$   
d)  $\text{NH}_3 + 3\text{Cl}_2 \longrightarrow \text{N}_2 + 6\text{HCl}$   
iii) Give an experiment to show the process of preparation of Hydrogen gas in the Laboratory. Elaborate your answer with a diagram for the same.

### **BIOLOGY**

- Q.1 i) Explain the structure of brain with the help of a neat labelled diagram. Also, write the function of each part of brain.  
ii) What is reflex action. Explain with the help of a diagram. Also give examples of the same.
- Q.2 i) Complete the immunization chart of your younger sibling or cousin.

S.No.	Vaccine	Given (Y/N)	In time (Y/N)	Name of Disease
1.	TT			
2.	BCG			
3.	OPV			

4.	DPT			
5.	MMR			

ii) Given below are some diseases, write the pathogen and vector responsible for it also give the effects and symptoms of these diseases?

- a) Amoebic dysentery      b) Filariasis      c) Rabies      d) Yellow fever  
e) Malaria      f) Dengue      g) Plaque      h) Sleeping sickness

- Q.3 i) Differentiate between food crop and cash crop. Stick at least 5 samples of each.  
ii) List down the names of 5 useful bacteria and 5 useful fungi. Also mention their useful role in nature.

## **HISTORY & CIVICS**

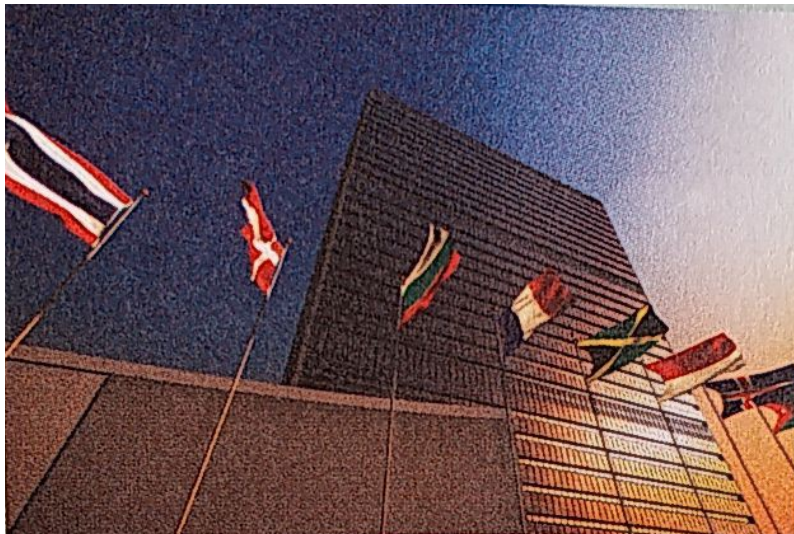
Q.1 Cut and paste pictures of various social reformers of India in the 19<sup>th</sup> century in you project file and write about the reform's carried out by them.

Also explain the meaning of the following evil practices condemned by them.

- i) Sati      ii) Female infanticide

Q.2 Write a short note on the British Policy of 'Divide and Rule'. Use pictures to elaborate your answer.

Q.3 Picture study:



- i) Name the organization.  
ii) Where are the headquarters of this organization located.  
iii) Name and explain three major organs of this organization, use picture to elaborate your answer. Write two functions of each.  
iv) Explain the terms:

- i) Veto      ii) Apartheid

## **GEOGRAPHY**

Q.1 With reference to the rainy season in India, explain Southwest Monsoons. What are the Characteristics of Southwest Monsoon Rain? Name the two branches of the moisture – laden winds and write about each showing it on the Map of India.

Q.2 On a political Map of India, mark the states and their capitals along with the Union territories and colour it.

Q.3 Write the differences between the rivers of North and South India.

- Q.4 Make a list of five animals in India that are endangered. Design posters with slogans to educate people about the steps that need to be taken to prevent their extinction. (Draw on the file page only) Why are there animals endangered?
- Q.5 Note down the daily Maximum and Minimum temperature of your area for ten days and make a chart to study the observation.

### COMPUTER SCIENCE

- 1) Write a Java program to print all the even numbers from 100 to 500.
- 2) Write a Java program to print the addition of 1 to 10;
- 3) Explain the following -
  - a) HTML
  - b) Identifiers
  - c) Operators
  - d) Variables
- 4) What are the different features of HTML?
- 5) What are HTML Tag? What are the different types of tag?  
Explain any four tags in HTML with example.
- 6) Differentiate between a-- and a++ .
- 7) Write HTML code to create Web Page and paste the output.

Description:

Title: INTRODUCTION TO HTML

Background: Red

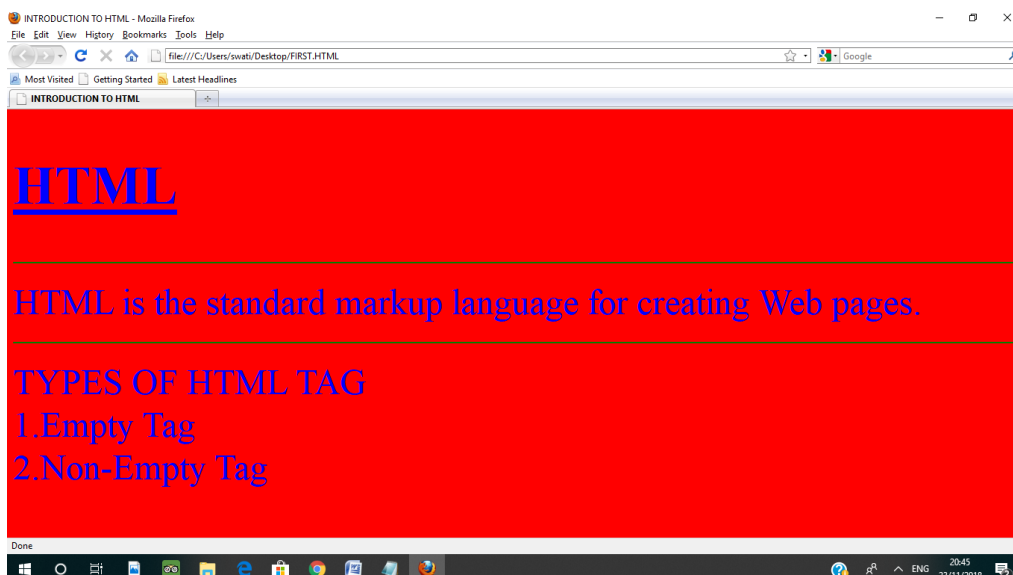
Font colour: Blue

Font Size: 100

Main heading:Level h2

Content: Level h4

Colour of Horizontal Line: Green



## HINDI

iz"u f& fn;s x;s fo'k; ij ,d i= fyf[k,& ¼f,,å "kCn½

vius fo|ky; ds okf'kZd mRlo dk o.kZu djrs gq, fe= dks i= fyf[k,A

iz"u „& foykse "kCn fyf[k,&

u"oj ] ijekFkZ ] jktk ] foiUu ] fo"kky ] lfØ;

iz"u ...& okD;ka"k ds fy, ,d "kCn fyf[k,&

¼d½ nwj dh lkspus okyA

¼[k½ jkr dks ?kweus okyA

¼x½ tks lkeus u gksA

¼?k½ ftlds ikj ns[kk tk ldsA

¼¾½ tks vkj[kksa ds lkeus gksA

¼p½ e/kqj Hkk'kk cksyus okyA

iz"u †& i;kZ;okph "kCn fyf[k,A

i`Foh ] igkM+

iz"u ‡& lekl&foxzg djds lekl ds Hksn fyf[k,&

;Fkk"kfDr ] pkSjkgk

iz"u ^& ¼d½ ,drk dh izferk fdl egkiq#'k ls lacaf/kr gS\ muds thou dh miyfC/k;ksa ds fo'k; esa vki D;k tkurs gSa\

¼[k½ vkids fopkj esa Hkz'Vkpkj dks izeq[k dkj.k D;k gS\ Hkkjr ds fdu&fdu ?kksVkyksa dks vki tkurs gSa] mudk o.kZu dhft,A

END