

SAINT JOHN'S ACADEMY
SUMMER ASSIGNMENT (2019-2020)
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.

ENGLISH LANGUAGE

Q1. Read the following passage and answer the following question.

The yearly festival was close at hand. The store room was packed with silk fabrics, gold ornaments; clay bowls full of sweet curd and platefuls of sweetmeats. The order had been placed with shops well in advance. The mother was sending out gifts to everyone.

The eldest son, a government servant, lived with his wife and children in far off lands. The second one had left home at an early age. As a merchant he travelled all over the world.

The other sons had split up over petty squabbles, and they now lived in homes of their own. The relatives were spread all across the world. They rarely visited. The youngest son, left in the company of a servant, was soon bored and stood at the door all day long, waiting and watching. His mother, thrilled and excited, loaded the presents on trays and plates, covered them with colorful kerchiefs, and send them off with maids and servants.

The neighbours looked on.

The day came to an end. All the presents had been sent off.

The child came back into the house dejectedly said to his mother, "Maa, you gave a present to everyone, but you didn't give me anything!"

His mother laughed, " I have given all the gifts away to everyone, now see what's left for you." She kissed him on the forehead.

The child said in a tearful voice, "Don't I get a gift?"

"You'll get it when you go far away."

"But when I am close to you, don't I get something from your own hands?"

His mother reached out her arms and drew him to her. "This is all I have in my own hands. It is the most precious of all."

- 1) Why did the women's second son travel?
- 2) Why did the women's eldest son not attend the festival?
- 3) How did the woman prepare for the festival?
- 4) What did the youngest child do while his mother was busy?
- 5) What did the boy receive from his mother?
- 6) Give the synonym of the words: packed, petty
- 7) Give the antonym of the words: rarely, dejectedly

Q2. Make sentence with the following similes.

- a) As industrious as an ant
- b) As fresh as daisy
- c) As loud as a thunder
- d) As fierce as a tiger
- e) As heavy as lead
- f) As busy as bee
- g) As green as grass
- h) As merry as a cricket
- i) As white as milk
- j) As firm as a rock

- Q3. Your school is hosting an inter-school debate competition. Write a notice for your school informing them of the event.
- Q4. Do as directed.
- I wish I can succeed in my mission. (change to exclamatory sentence)
 - No city is as interesting as Mumbai. (change to superlative degree)
 - It was raining. We stayed indoors. (join the sentences using a conjunction)
 - Father, I want to watch the match on the T.V. (Begin: Father, may.....)
 - It rained for the last fifteen minutes. (rewrite the sentence in present perfect continuous tense)
 - He is late. (rewrite the sentence using the word often)
 - They will employ a nanny to look after their child. (change to passive voice)
 - She said, "He worked in a bank." (change to indirect speech)
 - Sunil said that he would return my book tomorrow. (change to direct speech)
 - The reckless driver crashed his car. He jumped the red light. (join the sentence using relative pronoun)

ENGLISH LITERATURE

- Q1. Give two meanings of each of the following words:-
- | | |
|--------------|---------------|
| 1) astounded | 6) privilege |
| 2) defend | 7) courageous |
| 3) deduction | 8) tolerance |
| 4) contented | 9) utter |
| 5) generous | 10) vanished |
- Q2. Use any five words given above in the sentences of your own.
- Q3. Read the chapter 'The Taming of the Shrew' and write few lines about each of the given characters.
- | | |
|--------------|--------------|
| 1) Katharine | 2) Petruchio |
|--------------|--------------|
- Q4. Write in brief about the poet 'Tennyson'.

MATHEMATICS

- Q1. Rationalise
- | | |
|--|--|
| (I) $\frac{45}{30\sqrt{2}-10\sqrt{3}}$ | (ii) $\frac{10}{30\sqrt{2}+5\sqrt{2}}$ |
|--|--|
- Q2. Area of a triangle = $\frac{1}{2}$ x base x height
 Area of a rectangle = length x breadth
 Find the area of the figure and also its perimeter.
- Q3. Take a positive rational number and a negative rational number and insert five rational numbers between them.
- Q4. Find the value on 'n'
- $$\frac{x^{2n-3} \times x^2 n + 1}{(x^2)^{-6}} = (x^5)^{\frac{9}{5}} \div (x^6)^{-3}$$
- Q5. Find the square root of 67 and correct upto two decimal places.
- Q6. Find the value of x for which $4x825$ is divisible by 11.
- Q7. Write and learn the properties of
- | | |
|--------------|----------|
| i) Rectangle | iv) kite |
|--------------|----------|

- ii) square v) parallelogram
 iii) rhombus

Q8. Evaluate: $\sqrt{10+\sqrt{25+\sqrt{108+\sqrt{154+\sqrt{225}}}}}$

Q9. If $\sqrt{1+\frac{27}{169}}=1+\frac{x}{13}$, find the value of x.

Q10. Three natural numbers a, b, c are said to form pythagorean triplet if a is the smallest and $a > 1$ then $a^2+b^2=c^2$ and $(2a+a^2-1, a^2+1)$ are pythagorean triplets then find the pythagorean triplets for the following sides assuming the smallest.

- i) 15 ii) 8

PHYSICS

- Q1. Write all the states of matter known and explain them.
 Q2. Gases completely fill the vessel in which they are kept. Give reasons.
 Q3. Name any four physicists and discuss the contribution of any of your favourite physicist in the field of physics.
 Q4. Write an experiment to make an artificial cloud in a bottle.
 Q5. When a solid is immersed in a measuring cylinder, the water level rises by 64ml. If the weight of the solid is 512g, find its density.
 Q6. Why is it easy to float in dead sea?

CHEMISTRY

- Q1. Explain the inter conversion of matter along with the diagram showing the arrangement of molecules in three states of matter. [Explain all the terms involved]
 Q2. Classify the following changes into physical and chemical change and explain each change in brief. [Give reasons]
 Photosynthesis, digestion, sublimation of camphor, conversion of water into ice, ripening of fruits, rusting of iron, cutting a paper, burning of paper, formation of vapours & curdling of milk.
 Q3. Explain the following states of matter.
 a) Plasma state b) Bose – Einstein Condensate
 Q4. Explain the following processes along with a neat labelled diagram.
 1) Sedimentation 4) Sublimation
 2) Evaporation 5) Filtration
 3) Distillation 6) Centrifugation
 Q5. Conduct a research on ‘Adulteration of Fruits and Vegetables’.
 Explain with the help of various examples. Also list down its ill effects.

BIOLOGY

- Q1. Take a fresh flower of Hibiscus plant and cut it longitudinally (top to bottom) into two equal halves such that the internal structures of the flower are exposed. Now paste one half of the dissected flower on your sheet. Cover the flower with a cellophane sheet and paste it. Now explain the structures and parts of the flower with the help of a well labelled diagram.
 Q2. Describe the process of Osmosis with the help of Potato Osmoscope experiment. Draw a well labelled diagram in support of your explanation.
 Q3. Demonstrate the process of transpiration with the help of the Bell Jar experiment. Draw a neat labelled diagram of it and also mention the factors affecting the rate of transpiration.

HISTORY & CIVICS

- Q1. Make a report on the inventors of the period of Industrial Revolution along with the pictures of some of the machines. Include a timeline showing the major inventors as a part of your report.
- Q2. Explain the terms
- Secret ballot
 - Budget
 - Vote of no-confidence
 - Quorum
- Q3. What do you mean by 'elections'?
According to you, what are the changes required in the type of elections we have in India?
- Q4. Picture Study
- Identify the picture.
 - What is the importance of this incident?
 - In which year did it take place?



GEOGRAPHY

- Q1. Draw four different relief features shown on topographical survey sheet with the help of contours. Draw the cross section of them neatly and write about them in brief.
- Q2. Define the following terms
- Malnutrition
 - Embankment
 - Contour Interval
 - Gradient
 - Remittances
- Q3. On an outline Map of the World, mark, shade and label the following:-
- A densely populated region in Asia.
 - The country with the highest literacy rate.
 - A sparsely populated region.
- Q4. Name the types of settlements with the help of patterns. How are scattered settlements shown in the map. In what colour are these settlements shown on the map?

COMPUTER SCIENCE

- Q1. Write the full form of the following:-
TCP, HTTP, FTP, NIC, MODEM, VoLTE, WiFi, CDMA, GSM, IMEI
- Q2. Explain network topology with diagram. Write the advantages and disadvantages of each topology.
- Q3. What is an Operating System? Explain any four function of operating system.
- Q4. Explain the following in context of wired communication channel and also draw diagram:-
- Twisted Pair Cable
 - Coaxial Cable
 - Optical Fibre Cable

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