SAINT JOHN'S ACADEMY
SUMMER RECAPITULATION (2016-2017)
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
Read the English Newspaper Daily/ Watch English News on Television for 15 mins. daily. Write down ONE headline on a daily basis in your English Language Copy.

Q 1. Make an attractive poster for Mother's Day.

Q 2. You are Arushi Khanna, Cultural Secretary of Saint John's Academy, Allahabad. Your School is presenting a play "Merchant of Venice" by Shakespeare. Write an advertisement for it in the local newspaper. You must state the date, time, venue and the price of tickets in your ad (50 words).

Q 3. Read the passage and answer the following questions:-

A fuel is a material that is burned in order to get heat and light and also to generate power. The process of burning is a chemical reaction. A material combines with oxygen from the air and gives off energy. The energy is given off in the form of heat and light. There are many different types of fuels and actually anything that burns can be called a fuel. But the most common fuels are wood, coal, natural gas and petrol. Fuels can also be classified as solid, liquid or gas. Wood was one of the first fuels used by man, and was his most important one for many centuries. It was the easiest to get, and the cheapest. But during the sixteenth century wood started to become scarce in Europe, and coal began to replace it. Coal contains a higher percentage of carbon than other types of coal and so makes less smoke and ash. The most important liquid fuels come from petroleum. They include kerosene, petrol, diesel and heating oils.

1) How is a material changed into energy?

2) Why did man start using coal instead of wood as fuel?

3) Is hard coal a good kind of fuel? Give reasons.

4) Give one example of a solid and a liquid fuel.

5) Scare means.

Q 4. Do as directed:-

1. No city is as interesting as Mumbai. (change to Superlative degree)

2. It is by far the most expensive city of India. (change to Comparitive degree)

3. Life in Mumbai is busier and noisier than any other city. (Change to positive degree)

4. Some of the richest business magnates live in Mumbai. (change to Comparitive degree)

5. Her handwriting is worse than mine (change to Superlative)

ENGLISH LITERATURE
Read the chapters in the First Unit Test Syllabus.
* A synopsis is a summary of a piece of writing, a play, and so on, it enables to group ideas quickly and precisely.
Q 1. Write the synopsis of the extract 'Harry Potter Learns Quidditch' not more than 200 words. Remember these guidelines :-
  ➢ Should contain all the important facts.
  ➢ Language should be simple.

➢ Ideas should follow a proper sequence.
➢ The synopsis must have a title.

OR

A character sketch is a written description of a fictitious or a real character. A well-written character sketch makes the character come alive.

Q 2. Using the guidelines below write a character sketch of your favourite character from any story that you have read.
➢ Say/ Write who the character is.
➢ Describe the appearance of the character.
➢ State the characters' likes and dislikes, thoughts and feelings.
➢ Write about any special characteristics the character may have.

Q 3. "Now, Quidditch is easy enough to understand, even if it is not too easy to play."
Read the above sentences and answer the questions below:-
a) Who said these words? Why do you think the speaker said so?
b) Do you agree or disagree with the speaker. Why?
c) Have you had experiences when you understand something easily but found it difficult to do? Share and write one such instance.

MATHEMATICS

Practice the sums of the chapters in the First Unit Test Syllabus and learn all the definitions.
Write all the formulae of your book from Chapter 1 to 8.

Q 1. Take a positive rational number and a negative rational number and insert three rational numbers inbetween.

Q 2. Find the square root of the smallest two digit Prime Number and correct it to 2 decimal places.

Q 3. If C.P. is Rs.1500, discount is 10% and profit is 22%, then find S.P. and M.P.

Q 4. Through Venn Diagram represent the sets $A \cup B \cup C$ and $A \cap B \cap C$
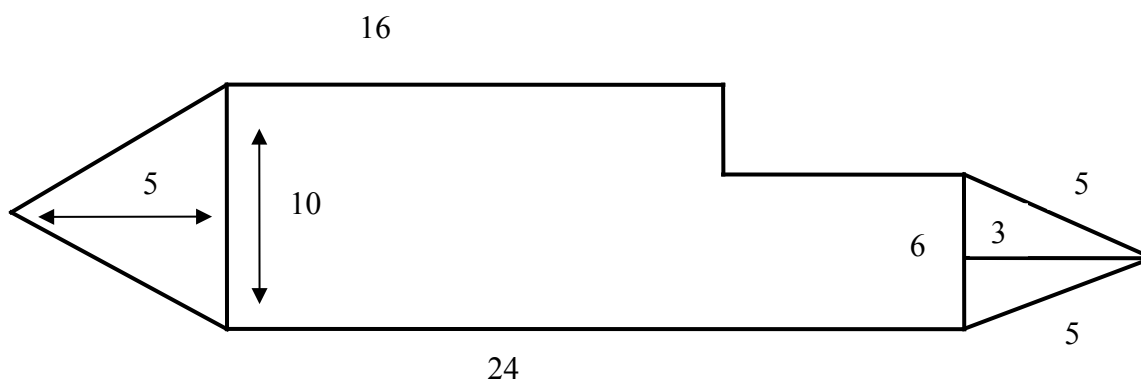
Q 5. If $\frac{3}{5}$ of a number exceeds its $\frac{2}{7}$ by 44, find the number.

Q 6. Rationalize:-   (i) $\frac{30}{3\sqrt{2}-3\sqrt{2}}$ (ii) $\frac{10}{2\sqrt{2}+3\sqrt{2}}$

Q 7. Area of a triangle = ½ base x height
Area of a rectangle = *l x b*
Find the area of the figure and also its perimeter.

PHYSICS

Read the chapters in the First Unit Test Syllabus and learn all the definitions.

Q 1. What do you mean by "Solar Eclipse". Explain with the help of a neat diagram. Also explain what is "Total Solar Eclipse" and "Partial Solar Eclipse".

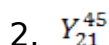Q 2. Show Image formation in a compound microscope with the help of a diagram.

Q 3. Show the phases of the moon through a diagram and also write about it.

Q 4.   Look for constellations like Orion, Big Dipper, Small Dipper etc. Write about them and also   draw their pictures.

CHEMISTRY
Read the chapters in the First Unit Test Syllabus and learn all the definitions.

Q 1. Given below are the unknown elements. Identify the following elements and answer the following questions:-

1. X_{19}^{39} 2. Y_{21}^{45}

a) Name the element.

b) Number of protons.

c) Number of neutrons

d) Valency

e) Draw the atomic structure of the given element.

Q 2. Give one word answers:-

1. Atoms having valency as 3 .

2. Substance which is used as moderators in Nuclear reactors.

3. Tiny Subatomic particle that make up protons and electrons.

4. Which radioactive rays do not deflect at all?

5. The radioactive ray which is useful in the traditions in the treatment of Cancer.

Q 3. a) Show the electrovalent compound (NaCl) formation.

b) Show the formation of Covalent bonding. (O_2)

BIOLOGY
Read the chapters in First Unit Test Syllabus and learn all the definitions.

Q 1. Write short notes on the following:-

(i)   Rhesus factor   (ii)   Transpiration and absorption

Q 2. Draw and label the following

(i)   Human Heart   (ii)   Root hair

Q 3. Answer the following:-

(i)   How do the roots of plants absorb water?

(ii)   Write the difference between Arteries and veins.

(iii) What is clotting of blood? Explain with a diagram.

HISTORY & CIVICS
Read the chapters in the First Unit Test Syllabus and learn all the definitions.

Q 1. Write reference to the decline and disintegration of the Mughal Empire answer the   following:-

a) To what extent was the jagirdari crisis responsible for a future decline of the power   of the emperor?

b) Discuss Aurangzeb's religious policy.

Q2.   What were the achievements of

(i) Baji Rao 1   (ii) Balaji Baji Rao

Q3.   This is the picture of the successor of Hyder Ali

(a)   Identify the person in the picture.

(b) What did he do to prove himself to be a worthy success

(c) Write two sentences about his father.

Q4.   Over population in developing countries like India has led to serious social & economic   problems. Explain.

GEOGRAPHY
Read the chapters in the First Unit Test Syllabus.
Q 1.   Choose your favourite planet, other than Earth, and write a report on it. Your report should   include :- the meaning of the planet's name, the discovery.
   ➢ position in the solar system.
   ➢ Size
   ➢ Appearance
   ➢ Composition
   ➢ Atmosphere
   ➢ moons (if any)
   ➢ any special feature
      * Paste colourful pictures as well.

Q 2.   Draw a neat diagram of (any 5) of the following 'Measuring Instruments' and write in detail   the usage of each.
   ➢ A thermometer
   ➢ A Baraometer
   ➢ Anemometer
   ➢ A Wind Vane
   ➢ A Hygrometer
   ➢ A Rain Gauge
   ➢ Six's Maximum and Minimum Thermometer.

COMPUTER SCIENCE
Read the chapters in the First Unit Test Syllabus and learn all the definitions.
Q 1.   Write a short note on the history of Java.

Q 2.   What is a computer Network? Discuss about different types of Network.

Q 3.   What are the basic types of topologies? Explain the topologies using diagrams.

Q 4.   Write the steps to create and save HTML Documents.

GENERAL KNOWLEDGE
Answer the following current affairs:-
Q 1.   Answer the following questions:-
   (i)   Who won the ICC T-20 World Cup?
   (ii)   Who is the Vice President of India?
   (iii)   Who is the main lead role actor in the movie "Fan"?
   (iv)   Write the names of New IPL teams of the season 2016.
   (v)   Which is the latest bike launched by Bajaj?
   (vi)   Who became the first female DGP of Gujarat?
   (vii)   Who won '2016 Monte Carlo Masters title of Tennis'?
   (viii) Who has been recently elected as President of FIFA?
   (ix)   How many scholars were presented "Hindi Sevi Samman" award recently by Pranab Mukherjee?
   (x)   India signs MOU with which country for traditional medicine and homeopathy?
   (xi)   Maharashtra government has organised the inaugral Function at Shaniwas Wada in which   city this year?
   (xii)   Who is the chief Justice of India?
   (xiii) Which state of India has topped the most favoured destination investment of PPP project.

(xiv)   Which company is going to install India's first energy storage project in Haryana?

(xv)   With which company has Flipkart recently ventured for furniture goods?

(xvi)   Which tyre company has acquired Cavendish Industries recently?

(xvii)   Who is the first Indian Gymnast to qualify for Olympics?

(xviii) Which Sri Lankan Spinner got retired from T20 & ODI's recently?

(xix)   Which pioneer of Salsa Music passed away recently in US?

(xx)   When is world Heritage Day celebrated?

VALUE EDUCATION

Q 1.   Paste pictures and write about five good habits that you have learnt in School.

Q 2.   Condemn social evils in a creative way to make society aware. Prepare posters by using important quotes and messages for the above topic.

Q 3.   Write about an incident which proves "What goes around comes around" (The story could be pictorial also)

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