SAINT JOHN'S ACADEMY
SUMMER ASSIGNMENT (2018-2019)
CLASS VII

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

Q.1   Rewrite the sentences as directed:
a) The girls have completed their food. (use negative)
b) These days petrol is so dear that people prefer to buy cars which give good   _____. (mile – correct the noun form)
c) His health has become _____ (bad) than it was a week ago.
d) An old lady looked after the baby. I know the lady. (Join the sentences using Relative Pronoun)
e) Teacher taught us fourth chapter today. (insert article)
f) My cousin narrated a story. (say the kind of verb)

Q.2   Write an application to your Principal requesting him or her for leave for a week because of your mother's illness.

Q.3   Make an attractive poster depicting "SAVE WATER".

Q.4   Read the following passage and answer the following questions:
Pandit Ravi Shankar, the sitar maestro, was born in 1920. He began his career as a member of the dance troupe of his brother Uday Shankar. In a few years, his yearning to learn the sitar led him to Ustad Allauddin Khan, under whose tutelage, he underwent rigorous training and perfected his art. Today, he stands as the most celebrated and renowned sitar maestro, holding, proudly the banner of Indian music. His influence as a performer is so powerful that George Harrison of Beatles Fame, decided to learn how to play the sitar. So deeply impressed was he with Pandit Ravi Shankar! He has performed with the likes of Zubin Mehta, the composer and Yehudi Menuhin, the famous violinist.
    The recipient of many awards like Padma Vibhushan, Magsaysay Award and Polar Music Prize, he has the Bharat Ratna to his credit. He continues to inspire many aspiring musician to strive for perfection.
a) How did Panditji begin his journey as a sitar maestro?
b) How do we know that Panditji is admired by his Western counterparts?
c) Suggest a suitable tittle for the passage.
d) Name the different awards which Pandit Ravi Shankar has to his credit.

ENGLISH LITERATURE

Q.1   Write a composition about Manjula Parelkar. Begin the composition with the time when she requested her mother for some extra money, felt disheartened by what her father said, and end with being inspired by Richard Belanger. You may use this outline.
Manjula – two fingers on each hand – wanted to learn painting – encouraged by – her mother – father could not afford to spend on painting material – discouraged – Richard Belanger – developed confidence and the will to never give up.

Q.2   Read the extract carefully and answer the questions that follows:
"It is your garden now, little children"
a) Who said these words?
b) What made him say this?
c) What is the theme of the story?
d) Name the story?

Q.3   Give two meanings of each of the following: Use any FOUR words from the given words in the sentences of your own:-

a) fierce	b) regrettably	c) barge	d) castle
e) pursuing	f) decisively	c) hurdles	d) torrents

MATHEMATICS

1.   A B C D E F G H I J K L M N O P Q R


-3 -2

-3 and -2 are marked by E and F respectively.
Which integers are marked by B, D, H, M and O?

2.   (i)   When two positive integers are added we get a positive integer.
         Example: 56 + 73 = 129
   (ii)   For subtraction, we add the additive inverse of the integer that is being subtracted, to the other integer.
         eg.   56 − 73 = 56 + additive inverse of 73
                        = 56 + (-73)
                        = - 17
   Write atleast two such examples to verify the above statements.

3.   Write down a pair of integers whose
   (i)   Sum is -3
   (ii)   difference is -5

4.   The overall width in cm of several wide screen televisions are 97.28cm, $98\frac{4}{9}$ cm, $98\frac{1}{25}$ cm and 97.94cm. Express these numbers as rational numbers in the form $\frac{p}{2}$ and arrange the widths in ascending order.

5.   With the help of an example show that the sum of an integer and its additive inverse is zero.

6.   What is cardinal number of the set (coke, pepsi, fanta, sprite }

7.   Shalini has to cut out circles of diameter 1 ¼ cm from an aluminium strip of dimensions 8 ¾ cm by 1 ¼ cm. How many strips of full circles can Shalini cut? Also calculate the wastage of the aluminium strip.

1¼cm   8¾cm
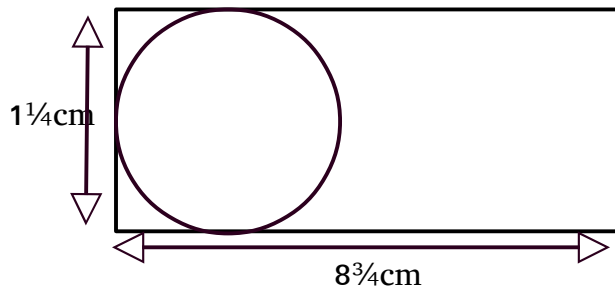
8.   Sam picked $1\frac{5}{11}$ buckets of pears and Nancy picked $2\frac{2}{9}$ buckets of pears. How many more buckets did Nancy pick?

9.   In general, for any three integers a, b and c   (a x b) x c = a x (b x c)
   Take any two values for a, b and c each and verify this property.

10.   Rahul studies for $5\frac{2}{3}$ hours daily. He devotes $2\frac{4}{5}$ hours of his time for Science and   Mathematics. How much time does he devote for other studies?

11.   Find the perimeters of △ABE and the rectangle BCDE in the figure. Whose   perimeter is greater?   A

$\frac{5}{2}$cm $3\frac{3}{5}$cm
          2¾cm
B   E
                            $\frac{7}{6}$ cm
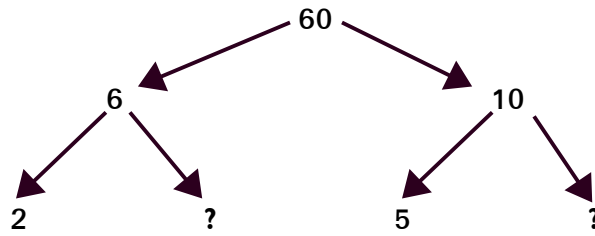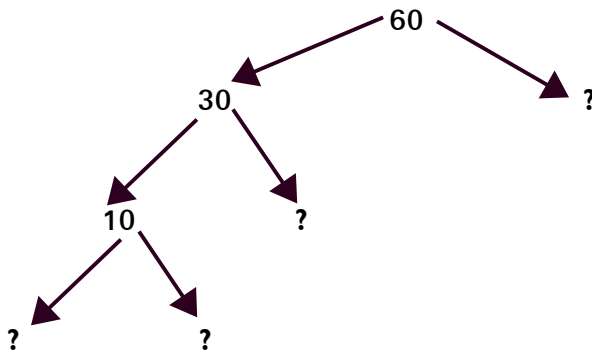C   D
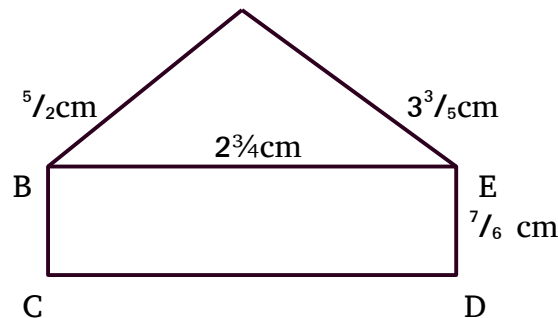
12.   The town newspaper is published everyday. One copy has 12 pages. Everyday   11, 980 copies are printed. How many total pages are printed everyday?

13.   Express each of the following numbers as the sum of three odd primes:-
   (i)   31   (ii)   53

14. Find the common factors of 75, 60 and 210.

15. Here are two different factor tree for 60. Write the missing numbers.

(i)

(ii)

16. List any four symmetrical objects from your home or school.

PHYSICS

Q.1 Give reason for the following cases-
a) A certain volume of milk has more mass than an equal volume of matter.
b) Why density of almost all the solids, liquids and gases decrease with increase in temperature.
c) Why a moving car is said to be in a translator motion but a fan is not?
d) Why a solid body of mass 25kg has equal mass in space also but posses zero weight?

Q.2 Name the type / types of motion being performed by each of the following-
a) Vehicle on a straight road.   b) Smoke particles from chimney.
c) Moon around the earth.   d) A spinning top.
e) A stone falling from certain height.   F) A plucked string of a sitar.

Q.3 Convert each of the following values into its standard form-
a) 7.5 hectares   b) 3 days 2 hours
c) 5g/cm³ into kg/m³   d) 12 ml into m³
e) 18.5 m/s into km/h
f) Area of piece of paper of dimension 1.5m X 20cm into standard area.
g) 6 kgf into Newton   h) 100^0 c into Kelvin

Q.4 Give answer in one word:
a) Name the motion which is repeated at a regular interval of time.
b) Device used to measure the atmospheric pressure.
c) Motion in which the position of an object does not change.
d) Device which is used to measure the weight of an object.

Q.5 How does the density of water changes when-
a) it is heated from 0^0C to 4^0C
b) when it is heated from 4^0C to 10^0C
Explain the concept in terms of their molecular theory and also draw the diagram showing the arrangement in the molecules of water.

Q.6   A boy of mass 60kg. If the pull of gravity on 1kg on the surface of earth is 9.8 N and on the Surface of moon is 1.6 N, find
a) weight of boy on earth and moon   b) The mass of boy on moon.

CHEMISTRY
Q.1   Classify the following changes as physical or chemical change-
1. Burning of crackers   2. Rusting of iron
3. Melting of ice   4. Chopping of vegetables
5. Digestion of food   6. Burning of coal
7. Photosynthesis   8. Respiration
9. Dissolving of sugar in water   10. Growing of seed into a plant.

Q.2   Read each scenario. Decide whether a physical or chemical change has occurred and give evidence of your decision. The first one has been done for you to use as an example.

S.No.	Scenario	Physical or Chemical Change	Evidence
1.	A student receives a loaf of bread hot from the oven. The student cuts a slice of the loaf and spreads butter on it.	Physical change	No change in substance. No new substance formed
2.	Your friend decides to toast a piece of bread but leaves it in the toaster too long. The bread is black and the kitchen is full of smoke.		
3.	You forgot to dry the bread knife when you washed it and reddish brown spots appeared on it.		
4.	You blow dry your wet hair		
5.	A straight piece of wire is coiled to form a spring.		

Q.3   The schematic diagram given below shows interconversion of states of Matter. Name the process A to E and define them
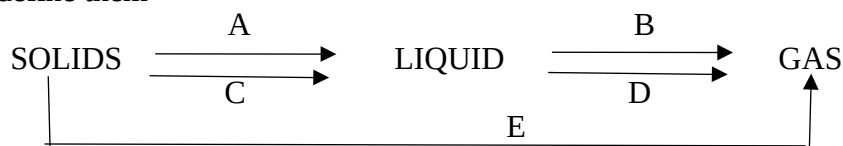
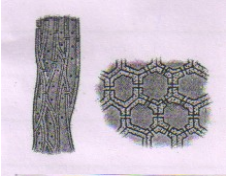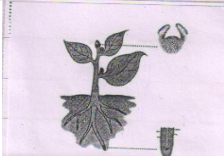Q.4   Distinguish between solid, liquid and gas on the basis of the following properties
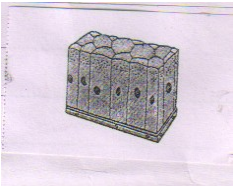
S. No.	Property	Solid	Liquid	Gas
1.	Intermolecular space			
2.	Intermolecular force of attraction			
3.	Shape			
4.	Size			
5.	Compressibility			

BIOLOGY
Q.1   List and stick pictures of eight plants you see around your home and school and categorize them into-
1. Flowering and Non flowering   2. Herbs, shrubs and trees
Q.2   Give one word answer for the following-
1. The largest unit of classification.
2. Blood without the RBCs.
3. Water – conducting tissues of the plant.
4. Thread – like structures in bacteria for movement.
5. Another name for lateral meristematic tissue.
6. A waxy substance on the outer walls of the epidermis.

7. The tissue which cushions and insulates the body.

8. Hyphae that grow into a cottony mass.

Q.3 Complete the table given below:

Structure	Name	Location	Function
	_____	_____	_____
	_____	_____	_____
		_____ _____ _____	
	_____	_____	_____

HISTORY & CIVICS

Q.1 Explain briefly about the emergence and spread of Christianity in the world. Illustrate your answer with the help of pictures depicting the life of Jesus Christ.

Q.2 Name the internationally renowned Universities which evolved from Christian monasteries, which famous university in ancient India evolved from a Buddhist monastery. What are the similarities between the two?

Q.3 Discuss about the life of Razia Sultan and what made her a much romanticized figure of Indian history.

Q.4 Write and learn the important dates of Ch 1 and 2 i.e Rise and Spread of Christianity. Mention the significance of the dates written.

Q.5 Study the pictures and answer the following questions-
a) Name the architecture.
b) Name the religion it belongs to.
c) What are the six important principles of this religion?
d) Name the two holy places of the muslims.
e) Who was the founder of this religion.

GEOGRAPHY

Q.1 Write an article on global warming and its impact. Explain it by the help of pictures and diagrams.

Q.2 Make a list of various weather instruments used by the meteorologists with the help of pictures. Explain any four instruments in detail.

Q.3 Make a chart on different types of soil. Write the characteristics features, places in India where they are found and main crops grown in these soil.

Q.4 Make list of the countries of Europe and their capitals, Show it on the political map of Europe.
Note: use proper legends to show your marking.

COMPUTER SCIENCE

Q.1 Write the full form of:

        a) MICR   b) RAM   c) ROM   d) ALU

Q.2   Write the speed terminology for the following printers:
       a) Dot Matrix Printer b) Inkjet Printer   d) Laser Printer

Q.3   What is primary memory? Define two major types of primary major.

Q.4   What is software? Give examples of system software and application software.

Q.5   Define the following terms:
       a) Byte   b) Database   c) Bit   d) File

Q.6   Write the procedure of sorting files/folders:
       I) In icon view   ii) In list view

HINDI

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