SAINT JOHN'S ACADEMY
WINTER ASSIGNMENT   (2017-2018)
CLASS VI

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   Write an application to your Principal requesting her to exempt you from appearing in the half yearly examination.

Q.2   Read the passage and answer the following questions:

There was once an amiable giant who lived in a big, black, granite castle on the top of tremendous mountain. And since he was an amiable giant and he was very lonely living, all alone in his big castle, sometimes he came down from his mountain top to visit the little people who lived in the pretty village in the valley. But the villagers did not understand the purpose of his visit. They would slam their doors in the face of the amiable giant and shut their windows.

"Take anything you want. Take our cattle. Take our grain. Take anything but leave us," shouted the terror-stricken villagers from behind their locked doors.

When the giant tried to explain that he did not want their cattle (since he was a vegetarian) and did not need their grain (since he grew all the grain he wanted at the mountain) the villagers did not hear a word. That was because the giant's voice was like the rumble and crash of thunder even when he spoke very softly.

1) What did the giant do when he felt very lonely?
2) Why did the villagers close their doors and windows when the giant came to visit them?
3) Why did the villagers offer their cattle and grain to the giant?
4) Why couldn't the villagers understand what the giant said to them?
5) Which word/phrase shows that the villagers were afraid of the giant?

Q.3   Do as directed:-
a) I love to catch butterflies. (Say the kind of verb and pick out an object if any)
b) They have known each other for years. (Pick out the very and say the kind of tense)
c) A librarian issues books. (Say the voice and change)
d) Neither of them has been to London. (Pick out the pronoun and say its kind)
e) Mrs. Baron is strict. She is kind and loving. (Join the sentence using a conjuction)
f) Ramesh said, "I share a large pizza with my friend". (Change the sentence into an indirect sentence)
g) The girl had the _____ for her family when she struggled to complete her college assignment. (supply an appropriate phrasal verb)
h) What are you carrying in the packet said rita to sheema (punctuate the sentence)
i) They have put different colours on the _____ (ceiling/cieling) and the walls-fill in the blanks with correct spelling.
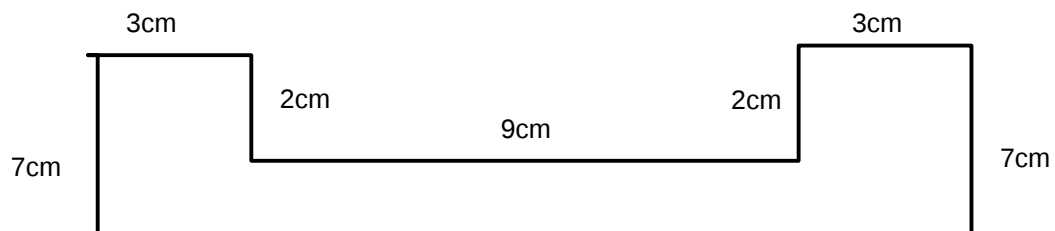j) Use the homophones in your own sentences to bring out the appropriate meaning- principal, principle.

Q.4 In the given sentence pick out the parts of speech. Mother Teresa was a gracious social worker who served the needy with love.
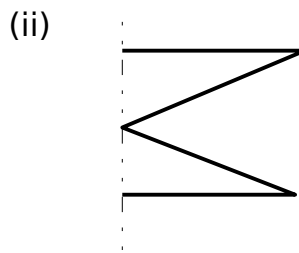
ENGLISH LITERATURE

Q.1 Give any two synonyms of the following words:-
Snare, alone, echo, enthusiasm, inn, mysterious, visitor, pub, dwell, spring.

Q.2 Use the following words in the sentences of your own.
Well-dressed, invisible, budding, snare, whispering.

Q.3 Read the extract carefully and answer the questions that follows:-
A) 'A cool green house.'
   a) What do you mean by the above phrase?
   b) What is the theme of the poem?
   c) Name the poet?

B) 'I was able to find some more'
   a) Who is referred to as 'I'?
   b) What did the speaker find?
   c) From where has he got that thing?

Q.4 Write the summary of the story, 'The Mysterious visitor.'

Q.5 Find one word from the story, 'The Mysterious Visitor – 1' for each of these words and phrases:-

   a) Puzzling
   b) Priest
   c) A person who makes things in iron.
   d) In properly fitted attire
   e) Bar

MATHEMATICS

1. Euler's formulae:
   Vertices + Faces – Edges = 2
   Verify Euler's formulae for
   (a) Hexagonal pyramid
   (b) Pentagonal prism

2. Find the perimeter and area of the given figure:-

3. Evaluate: $\sqrt[3]{27000} - \sqrt[3]{8000}$

4. Find the smallest number of four digits exactly divisible by 12, 16, 18 and 22.

5. Copy the figure and then complete it along the line of symmetry:-

(i)   (ii)

6. You are given three angles. Write the conditions under which these angles will not form a triangle.
7. Express 1 second into (I) minutes (ii) hours
8. If Δ is an operation such that for integers x and y, we get
a Δ b = a x a x a + b x b x b – 3 x a x b then find (-2) Δ 5
9. A boy says, "I am thinking of a number, when I divide it by 9 and then subtract 17 from it, my answer is 17." Find the number I am thinking of.
10. Convert the ratio 3 : 16 into percentage.
11. Follow the pattern and find the missing numbers:-
$1 + 3 = (2)^2 = 4$
$1 + 3 + 5 = (3)^2 = 9$
$1 + 3 + 5 + 7 = (4)^2 = 16$
$1 + 3 + 5 + 7 + 9 = \ldots\ldots\ldots = \ldots\ldots\ldots$
$1 + 3 + 5 + 7 + 9 + 11 + 13 + 15 + 17 = \ldots\ldots\ldots = \ldots\ldots\ldots$
12. Rekha says to Sita, "If you give me 9 times the money I have, I will have 1 Rs.". How much money Rekha and Sita have?
13. A farmer wants to purchase a trapezoidal shaped land, whose parallel sides are 16ft and 14ft and the perpendicular distance between them is 19ft. Find the total cost (in Rs.) of the field at the rate of Rs.1800 per square ft.
[Note:- Area of trapezium = ½ x sum of the length of parallel sides x perpendicular distance between the parallel sides]
14. The moon is about 384000km apart from the earth and its path around the earth is almost circular. What will be the distance covered by the moon in one complete revolution.
15. Taking today as zero on the number line, if the day before yesterday is 11 May, what is the date 2 days after the day – after tomorrow?

PHYSICS
Q.1 Draw 2 simplified diagrams cleanly showing the position of load, effort and fulcrum for class I, class II and class III levers. Write few lines about the various levers.
Q.2 How can you make an electromagnet? State the characteristics of an electromagnet.
Q.3 Explain pressure. Write the factors on which the pressure exerted by a body depends.
Q.4 Write about the types of simple machines, also stick pictures of those simple machines.

CHEMISTRY
Q.1 Show by an experiment that air contains carbon dioxide.
Q.2 Write various methods of purification of water at home and explain them.
Q.3 Explain the rock cycle with the help of a diagram and also write about it.
Q.4 Explain water cycle in nature with the help of a diagram and also write about it.

BIOLOGY

Q.1 Browse through old magazines and newspapers and cut out and paste 5 pictures of various kinds of pollution and write 5 ways to control it.

Q.2 Make a table of at least 5 different species found in your kitchen. The table can include:
i) the name of the part that is used.
ii) where it is grown
iii) how it is used(in which recipe)
iv) the picture with the name of the spice.

Q.3 Make a table showing name of any 5 vector-borne diseases with the name of their vector and Pathogen.

Q.4 How many vitamins are there? What deficiency diseases can be caused by each one of them if you don't consume them in proper quantity? Draw a chart showing the foods rich in those vitamins.

Q.5 Go out in a garden and make a list of plants with opposite, alternate and whorled type of leaf arrangements, also stick the leaves with their specific arrangements.

Q.6 List any five good habits that helps you to keep yourself clean.

HISTORY & CIVICS

Q.1 Write important words given on page no. 66, 73, 79, 88 and 96 of your book.

Q.2 Imagine that you are a travel tour Guide for a group of school children on an educational tour of Sanchi and Sarnath. What would you do to give these children a clear idea of Mawyan art and architecture. Use picture to support your answer.

Q.3 On an outline map of India mark the areas under Ashoka's rule. Also mark one ancient town.

Q.4 Write an account of your experiences during Alexander's invasion of India. Briefly describe your feelings and emotions for your country.

Q.5 Cleanliness is an important value to be implemented in urban areas suggest three ways to keep your city clean.

GEOGRAPHY

Q.1 The amazon rainforest covers approximately 26,50,000 sq. miles of South America. Do a detailed study of the 'LIFE IN THE AMAZON RIVER BASIN' and make a project report. You can use the following points.
   a) Lifestyle
   b) Tribal cultural Facts
   c) Threats
   d) Amazonians Today

Q.2 South America was discovered by _____ in _____. It is the fourth largest continent of the world. Read about the countries of South America and make a chart of any 10 countries of South America and also mention their capitals.

SOUTH AMERICA	
COUNTRY	CAPITAL

Q.3   What is Green Revolution?

Q.4   On the given outline map of the world mark and show the leading producers of the following crops (any one of each crop).

a) Coffee   b) Cotton   c) Wheat

d) Jute   e) Rice   f) Sugarcane

g) Rice

Write few sentences about the crops.

Note: Learn all the vocabularies.

COMPUTER SCIENCE

1.   Answer in one word:-

a)   Shortcut key to paste.

b)   Full – form of Bcc

c) Character used to join text values to one another.

d)   Error result which shows, the formula contains an invalid operation.

2.   Write the steps to create an e-mail account.

3.   Write the use of the following functions:-

a)   MAX ()   b)   SUM ()   c) AVERAGE ()

4.   Write the result of the formula given below:-

a)   = (12 + 2 − 3 ∧ 4) * 5

b)   = 20 − 20 / (2 * 10) + 3

c)   = (2 + 4) ∧ 2 − 3 + 15/3

d)   = (8 − 3) * (25 − 5 ∧ 2)

e)   = 20 + 80 * 5

5.   Differentiate between the Arithmetic operator and the Relational operator. Draw   the table also.

6.   Write the steps to:-

a)   Copying cell contents

b)   Moving cell contents

HINDI

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