



ANANDALAYA
SUMMATIVE ASSESSMENT - 1
Class : VI

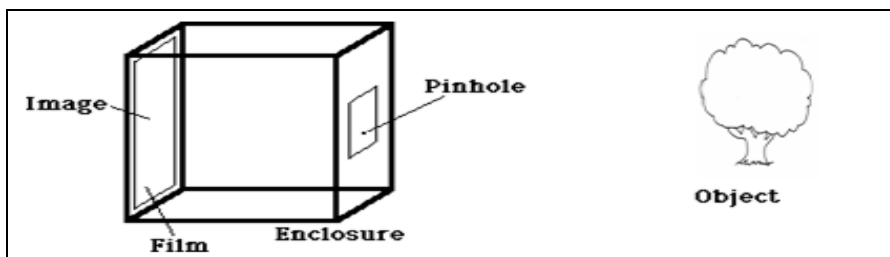
Subject: SCIENCE
Date : 23/09/2016

M.M: 50
Time: 2 Hour

General Instruction:

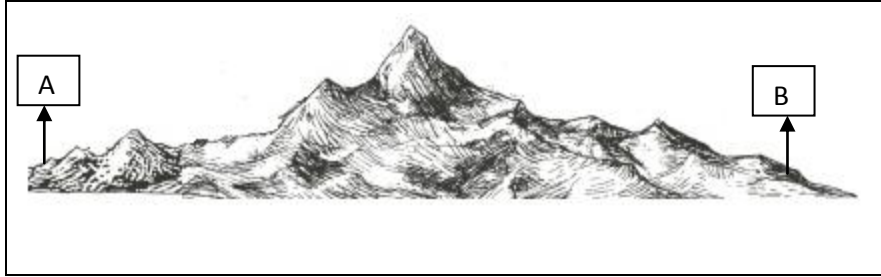
All the questions are compulsory.

- Q1 What is measurement? How is it expressed? (1)
- Q2 You are dissolving sugar in water. You kept adding sugar to water until some of the sugar remains insoluble even after stirring with the spoon continuously. (1)
What is this sugar solution called? How can you dissolve the left out sugar?
- Q3 Sonu wanted to test the presence of starch in leaves. He performed the following steps: (1)
(i) He took a leaf and boiled it in water,
(ii) He placed the leaf in a plate and poured some iodine over it.
He did not get the expected result. Which step did he miss? Explain.
- Q4 While measuring the length of a match box the reading on one end of the scale is 1 cm and the reading on the other end is 4.6 cm. (2)
What is the length of the match box? Express the length of the match box in metre and millimetre.
- Q5 You are provided with the following materials — turmeric, honey, mustard oil, water, glucose, rice flour, groundnut oil. Make any **two pairs** of: (2)
(i) substances where one substance is soluble in the other.
(ii) substances where one substance remains insoluble in the other substance.
- Q6 Name the following parts of a flower: (2)
(i) The part of the flower that protects it during development.
(ii) The female reproductive part of the flower.
(iii) The sticky part of the flower on which the pollen gets deposited.
(iv) The colourful structure that surrounds the inner structure of the flower.
- Q7 Rupa observed two kinds of plants in her school garden. Plant A has green tender stem and do not have many branches. Plant B has hard and woody stem branching out near the base. (2)
(a) What type of plant is A? Give one example of such a plant.
(b) What type of plant is B? Give one example for such plant.
- Q8 Observe the given diagram and answer the given questions: (3)



- (a) Name the instrument the enclosure represents.
- (b) Write the characteristics of the image formed by it. Support your answer with the help of a diagram.
- (c) Give an example of this phenomenon you see in nature. Explain

- Q9 (a) Arun has made the model of the Himalayas. He wants to measure the distance between the points A and B as shown in the picture. What method should he follow to measure the distance? Explain. (3)



- (b) What are the different kinds of motions you experience in a park when you play on the following:
- (i) swing
 - (ii) merry go round
 - (iii) slide
- Q10 Arrange the process of making coloured printed cotton fabric from white cotton fibre correctly, by drawing a flow chart. (3)
- a) cotton thread woven to give cotton fabric.
 - b) cotton fibre separated by ginning.
 - c) cotton fabric is dyed to give coloured cotton fabric.
 - d) cotton fibre twisted into cotton yarn by spinning.
 - e) cotton boll plucked from cotton plants.
 - f) coloured cotton fabric is then printed with different designs.

- Q11 (a) On what basis will you choose the method of separation between two components? (3)
- (b) A farmer harvested the crops and left it under the sun to dry the stalks. Write the methods of separation he used at each step to get good quality flour.
- (i) To separate the seeds from the bundles of the stalk he _____.
 - (ii) To remove the husk from the grain he _____.
 - (iii) To separate the stones from the grains he _____.
 - (iv) To get good quality flour he ground the wheat and _____ it.

- Q12 Observe the picture of an activity given in the figure carried out with leaves of plants and a polythene bag. (3)
- Now answer the following:



- (a) Which process is demonstrated in the activity?
 - (b) When will this activity show better results – on a bright sunny day or a cloudy day?
 - (c) What will you observe in the polythene bag after a few hours of setting up the activity?
 - (d) Mention any one precaution you must take while performing this activity.
 - (e) What is the major function of the leaf?
 - (f) What form of water is given out by leaf during this process?
- Q13 Ram once visited his maidservant's family. He observed that her children had stunted growth, swollen face, discolouration of hair, diseased skin and he was told that they had diarrhoea. The following day with the permission of his mother he started sending 2 packets of milk, 250 g of (3)

dal and some fresh fruits and vegetables for the children every day.

- (a) Deficiency of which food nutrient was responsible for the symptoms Ram observed?
- (b) Name two more food items Ram can suggest to help the children overcome the deficiency.
- (c) How will fresh fruits and vegetables help the children?
- (d) What values are displayed by Ram in sending the food items?

Q14 The container containing salt fell on the ground. You collected the salt in a plate, but it is mixed with sand. How will you get pure salt, after separating it from the sand? (3)

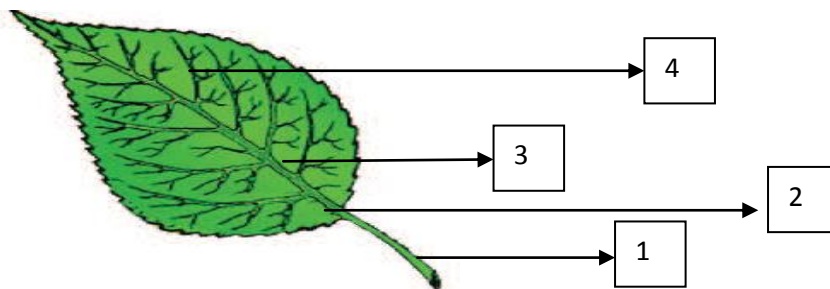
Q15 (a) Observe the table given below carefully fill in the blanks with suitable words.(draw the table and complete your answer. (5)

(b)

S.no.	Property of the material	Name of the material	One example
	Nothing can be seen through material	_____	_____
	_____	_____	glass
	_____	translucent	_____

- (c) You are sitting in front of a mirror of a dressing table. Light from the dressing table illuminates the area. You can see X on the wall behind you and Y can be observed in the mirror.
 - (i) What do you call X?
 - (ii) What do you call Y?
 - (iii) Write any two differences between X and Y.

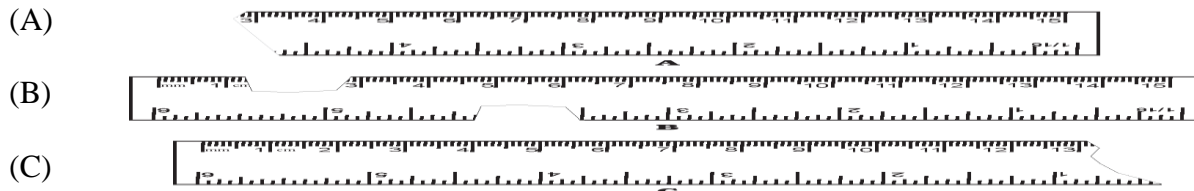
Q16 Observe the figure given below and answer the questions that follow it. (5)



Label the parts 1, 2, 3 and 4 in the diagram.

- (a) What type of venation does the leaf has?
- (b) What type of venation is seen in grass leaves?
- (c) According to the venation of this leaf what type of roots does the plant possess?
- (d) Plants take in oxygen and give out carbondioxide during respiration all the time, if so, why do we say plants supply oxygen to the air?
- (e) Banana is a plant even though it looks like a tree. Justify your answer.

Q17 You are provided three scales A, B and C as shown in Figure. (1)



For the correct measurement of the length you will use the scale

- (a) A only (b) B only (c) C only (d) Any of the three scales

Q18 Which of the following is not a natural fibre? (1)

- (a) Cotton (b) Jute (c) Nylon (d) Flax

Q19 Given below are the steps to test the presence of proteins in a food item: (1)

- (i) Take a small quantity of the food item in a test tube, add 10 drops of water to it and shake it.
- (ii) Make a paste or powder of food to be tested.
- (iii) Add 10 drops of caustic soda solution to the test tube and shake well.
- (iv) Add 2 drops of copper sulphate solution to it.

Which of the following is the correct sequence of the steps?

- (a) i, ii, iv and iii (b) ii, i, iv and iii (c) ii, i, iii and iv (d) iv, ii, i and iii

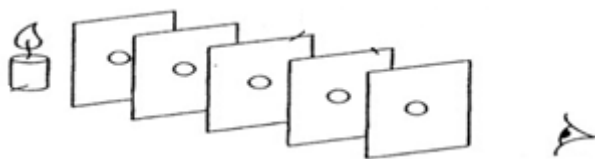
Q20 You might have observed the preparation of ghee from butter and cream at home. Which method(s) can be used to separate ghee from the residue? (1)

- (i) Evaporation
- (ii) Decantation
- (iii) Filtration
- (iv) Churning

Which of the following combination is the correct answer?

- (a) (i) and (ii) (b) (ii) and (iii) (c) (ii) and (iv) (d) (iv) only

Q21 Observe the following activity carefully. (2)



- (i) Which property of light is depicted in the activity
- (ii) What will happen if one of the cardboards is disturbed?

Q22 Tanu took the following things in a beaker containing water. (2)

dried leaves, small stones, iron nails, a piece of wood.

Group the above items based on their property