

IMPORTANT NOTE

The **English, Social Science and Science** text books of class VI have been changed w.e.f. session 2017-18. In case of any query, students may get it clarified from the concerned subject teacher.

The uploaded Worksheets / Terminal Question Papers are based on the previous syllabus.

SUMMATIVE ASSESSMENT-I, 2016

SCIENCE

Class VI

Time : 3 hrs.

M.M.: 100

Date – 13.09.2016

General Instructions :

- Read the questions carefully.
- Draw neat and labelled diagrams wherever necessary.
- Attempt the questions in serial order.
- Question no. 8 (b) is a value based question and is compulsory to attempt.

Q.1 Fill in the blanks. (1×6=6)

- Electrons revolve round the _____ in an atom.
- The constituents of a _____ can be separated by physical means.
- A _____ is something which produces a response or reaction in a living being.
- The protective covering on the trunks of trees is called _____.
- A liquid that dissolves other substances is called a _____.
- The movement of the earth about its axis is an example of _____ motion.

Q.2 Choose the correct option in each of the following. (1×6=6)

- Which of the following is not opaque?
 - wood
 - frosted glass
 - iron
 - card board
- Mercury melts at -39°C and boils at 357°C . Ordinarily it will exist in the
 - solid state
 - liquid state
 - gaseous state
 - none of these
- Vitamins and minerals are -
 - tissue-building nutrients
 - energy rich nutrients
 - protective nutrient
 - none of these
- Which of the following methods would you use for separating iron from sulphur particles ?
 - magnetic separation
 - filtration
 - churning
 - distillation
- Green plants make their own food, so they are called
 - autotrophs
 - heterotrophs
 - auto nutrients
 - heterophytes
- The male parts of the flower are called -
 - pistils
 - carpels
 - stamens
 - styles

Q.3 Draw a neat and labelled diagram of the following. (any two) (3×2=6)

- Structure of Carbon atom
- Decantation
- Filtration
- Separating funnel

Part (b) value based question.

Nita's mother fell ill and the doctor diagnosed her with anaemia. She felt lethargic and did not have energy to do work. Nita helped her mother in household work till she recovered and also gave her pulses, meat, leafy vegetables and eggs which were lacking in her diet.

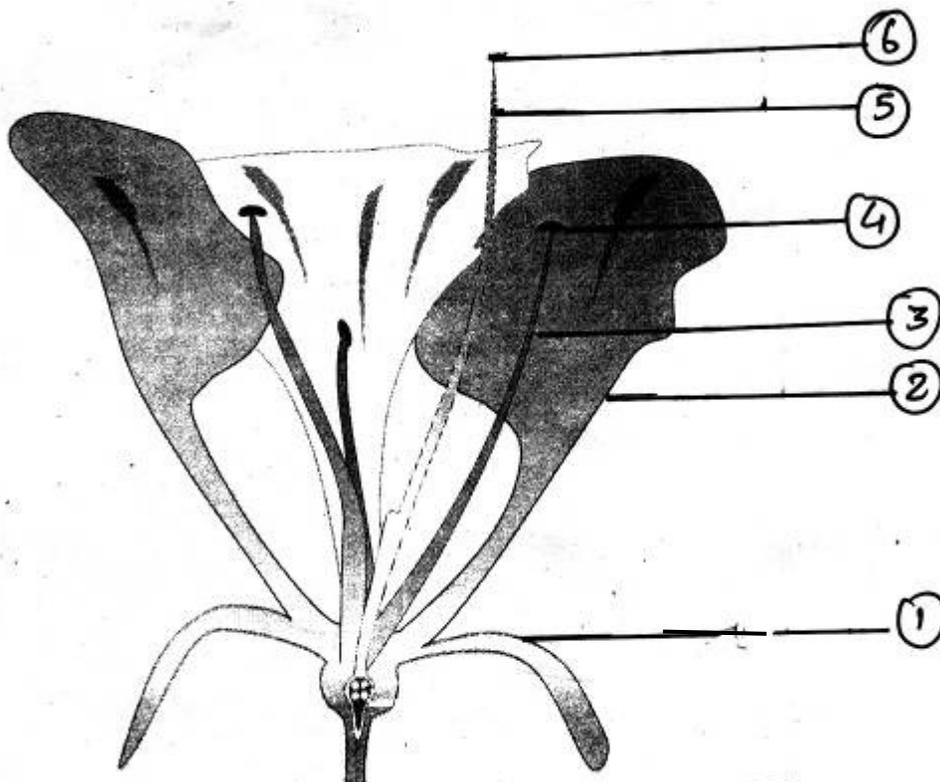
Answer the following questions based on the above information.

- a) Name the mineral / vitamin whose deficiency causes anaemia.
- b) What changes do you think the doctor might have made to her diet?
- c) Mention the values shown by Nita.

Q.9 Answer the following questions in not more than 100 words. (any 5) (5×5=25)

- i) Draw a well labelled diagram of a leaf. What functions do the veins perform? Name the two types of venations in leaves.
- ii) Describe a simple experiment to show the distillation of water with diagram.
- iii) a) Give one example of solid-liquid homogenous & heterogeneous mixture.
b) How would you separate a mixture of sand and iron filings?
- iv) a) Name one hard and one soft solid.
b) What do you mean by a solute and a solvent?
- v) a) Why is glucose given to sports persons?
b) Why is it important to include roughage in our diet?
- vi) Describe how the fundamental particles are arranged in the atom.
- vii) What is energy? Explain with three examples.

Q.10 Carefully observe the diagram given below and answer the following questions.



- i) Label the parts from 1 to 6. (3)
- ii) Write the name of female part of the flower. (1)
- iii) Which part will later develop into seeds. (1)

