

D.A.V. PUBLIC / MODEL SCHOOLS, WEST BENGAL ZONE
ANNUAL EXAMINATION
SESSION: 2017-2018

Class: VI
Subject: Science

Maximum Marks: 100
Time: 3 Hours

1. Fill in the blanks with appropriate words:

(1×10=10)

- a) An inadequate intake of iron leads to a condition known as _____.
- b) The solubility of a gas, in water _____ with increase in its temperature.
- c) Change of season is a _____ change.
- d) The roots of Dodder plant are an example of _____ roots..
- e) The _____ is the visible part of the tooth.
- f) _____ energy is possessed by an object due to its motion.
- g) A combination of two or more electric cells is called a _____.
- h) _____ objects allow light to pass through them partially.
- i) Like poles of two magnets _____ each other.
- j) Body coat of sheep and goat is called _____.



**d Cardinal
Point**

One Stop Edu Solution

2. Answer the following sentences in one word:

(1×10=10)

- a) The nutrient that is needed for growth and repair of damaged tissues -
- b) The property of a material to allow light to pass through it -
- c) A change in which a substance produced can be brought back into its original form -
- d) The transfer of pollen grains, from anther to the stigma -
- e) The opening of pharynx into the larynx is guarded by a valve called -
- f) An electric component that can 'break' or 'make' an electric circuit -
- g) The capacity to do work is -
- h) A temporary magnet which acts like a magnet only when a current flows through its coil -
- i) Objects that can emit light of their own -
- j) A simple device for spinning yarn -

3. Rewrite the following sentences correctly:

(1×5=5)

- a) Deficiency of iodine is common among the people of coastal areas.
- b) The leaf is attached to the stem by a short structure called pedicel.
- c) The vessels, that take blood away from the heart to various parts of the body are called veins.
- d) Cotton plant grows well in alluvial soil.
- e) An electric bell produces sound from sound energy.

4. Match the column A with column B:

(1×5=5)

- | A | B |
|----------------|-------------------------|
| a) Liver | i) natural magnet |
| b) Young plant | ii) golden fibre |
| c) Loadstone | iii) protein deficiency |
| d) Kwashiorkor | iv) bile juice |
| e) Jute | v) seedling |

5. Answer the following questions in brief:

(2×9=18)

- a) Define classification. How are materials classified?
- b) Burning of wood is a chemical change. Give two reasons.
- c) Write two functions of roots.
- d) Work done by a given force, depends on two factors. State them.
- e) i) On which property of light the application of pinhole camera is based?
ii) What type of image is produced on the screen by a pinhole camera?



- f) How can you make a needle made of steel into a magnet?
- g) State two reasons why synthetic fibres are better than natural fibres.
- h) Write the full form of LED.
- i) State two advantages of LED lamps over ordinary electric bulbs.
- j) Differentiate between sensory and motor nerves.

(3×4=12)

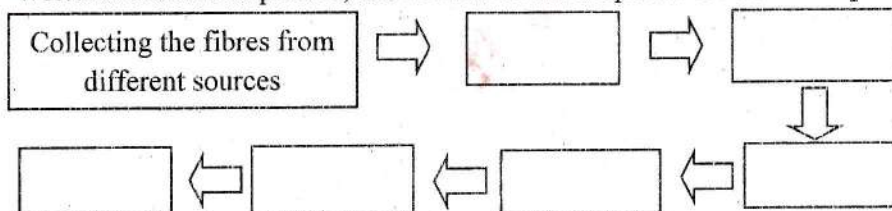
6. Answer the following questions:

- a) State three functions performed by the human skeletal system.
- b) What are the three essential things required for the formation of a shadow?
- c) Name a practical device based on the directive property of the magnet. What is the device used for?
- i) Distinguish between magnetic and non magnetic materials.
- d) Reshmi went to a village with her friend. She was very disappointed to see the cleanliness around many houses. With gentle and polite words she made the villagers realise the importance of keeping their surroundings clean. She was very happy to find the village much cleaner when she left. Reshmi told her friend that her success was similar to that of blue ink drops which slowly make the water in a bowl uniformly blue, when dropped in it.
- v) State one value displayed by Reshmi.
- ii) Name the process through which blue ink drops make the water uniformly blue. Define the process.

(5×6=30)

7. Answer the following questions in detail:

- a) State one function for each of the following parts.
 - i) Stigma of a flower ii) prop roots iii) Sepals of a flower
 - iv) Petals of a flower v) Bark of a stem
- b) What is roughage? How does it help our body?
 - ii) Name two water soluble vitamins. Write the names of the deficiency diseases caused by the lack of these two vitamins.
- c) When does solar eclipse occur?
 - ii) State the relative positions of the earth, the sun and the moon during a solar eclipse.
 - iii) Write two properties of the image formed by a plane mirror.
- d) What will happen if magnets are not stored properly?
 - ii) Write two ways by which magnets tend to lose their magnetism.
 - iii) Why magnets should not be placed near a computer?
- e) The complete process of making cloth from its raw materials involves various steps. Write in correct sequence, the names of the steps involved in the production of cloth.



- ii) Name the parts of the plant from which the following fibres are extracted:-
 - a) Cotton b) Jute c) Linen d) Coir
- f) Differentiate between conductors and insulators.
 - ii) Why tools like screw drivers used by electricians have handles made up of plastic?
 - iii) Silver is a very good conductor of electricity, but is not used for making wires. Why?

(5×2=10)

8. Draw the following diagrams with proper labelling:

- a) A dry cell.
- b) Excretory system of human.
