

**Answer Key**  
**Govt. English Medium School Chhattisgarh**  
**Annual Examination 2019**  
Class-6<sup>th</sup>  
**Subject – Science**

Time-3 Hours

M.M. -100

Q.1. **Choose the correct answer for the questions given below :-**

(10 x 2)

(LO-601,602,604,605)

1. Which of the following animal is **omnivores** : ..

- (a) Cow                      (b) Lion                      (c) Tiger                      (d) Crow

**Ans..Crow.**

2. A boy is suffering from **poor vision** what can increase his vision :-

- (a) Cooked Rice    (b) Cooked dal    (c) Ghee    (d) Milk

**Ans.Milk**

3. **Rickets** is caused by deficiency of vitamin :

- (a) Vitamin A    (b) Vitamin B    (c) Vitamin C    (d) Vitamin D

**Ans. ..Vitamin D**

4. Which of the following is a **synthetic fibre** :

- (a) Wool    (b) Cotton    (c) Jute    (d) Polyester

**Ans. Polyester**

5. The visibility of a piece of **oiled paper** would be :

- (a) Opaque    (b) Translucent    (c) Transparent    (d) None of these

**Ans...Translucent..**

6. Which process will be used to get **butter out of curd** :

- (a) Sieving    (b) Condensation    (c) Churning    (d) Evaporation

**Ans ...Churning.**

7. The **bones** at the **elbow** are joined by : .....

- (a) hinged joint    (b) pivotal joint    (c) ball and socket joint    (d) fixed joint

**Ans Hinged joint.**

8. Which of the following is not **abiotic** component :

- (a) Rocks    (b) Air    (c) Water    (d) Plant

**Ans...Plant**

9. Motion of the **pendulum** of wall clock is : ...

- (a) Periodic motion    (b) Rectilinear motion  
(c) Circulatory motion    (d) Projectile motion

**Ans.Periodic Motion.**

10. Which of the following is a **luminous** object : .

- (a) a C.D. (b) Plain glass (c) Lighted Tubelight (d) Lighted Torch

**Ans..Lighted Tubelight**

Q.2 Name two foods rich in :- (LO -604) (4 Marks)

- (a) Fat (b) Starch (c) Dietary Fibre (d) Protien

**Answer :-**

Name of foods	Sources
Fat	1. Ghee 2.Edible oils
Starch	1. Potato 2. Cooked Rice
Dietry fibre	1. Green vegetables 2.Fruits
Protein	1. Cooked Dal 2.Khoa ,Panir

Q.3. Define evaporation and condensation. (LO-603) (4 Marks)

**Answer:-** Evaporation :- The process of conversion of water into its vapour.

Condensation :- The process of conversion of water vapour into its liquid form.

Q.4. What is the function of a stem in a plant . (LO-603) (4 Marks)

**Answer:-** Stem conducts water. It works as a supply canal / transportation route for all the nutrients and water to all components of a plant.

Q.5. Why can a pace of a footstep not be used as a standard unit of length. (4 Marks)

(LO-607)

**Answer :-** Because pace of foot steps would vary person to person and we can not get a correct measurement .Using foot steps as a unit of measurement of a length can not be same each time.

Q.6. Explain opaque and transparent objects. (LO-603) (4 Marks)

**Answer:-** Opaque – Objects which do not allow to pass light through it at all.  
Transparent – Objects through which we can see.

Q.7. How is a compass used to find directions. (LO-610) (4 Marks)

**Answer:-** When magnetic compass is kept on our palm its needle always rests towards north-south direction .

Q.8. You have got a mixture of dry sand with sawdust . Explain the process of separating the mixture into its components. (LO-603 (6 Marks)

**Answer:-** When we have a mixture of dry materials which are different in their weight, we blow them in air .The lighter component blows away and heavier falls near .This process is called winnowing.

Q.9. Draw the diagram and label the following :- (LO-606) (6 Marks)

(a) Leaf (b). Taproot (c) Flower

Q.10. Differentiate between creepers and climbers . (LO-603) (6 Marks)

**Answer** – Creepers – Plants with weak stems that cannot stand upright and spread on the ground .

Climbers – These plants take support on neighbouring structures and climb up.

Q.11. Write the similarities and differences between the motion of a bicycle and a ceiling fan that has been switched on. (LO-603) (6 Marks)

**Answer** – Similarity :- Both the objects moves along a circular path.

Difference :- Bicycle is a mean of transport and despite of moving in circular path it also moves along its path .

Q.12. Why should an electrician use rubber gloves while repairing an electric switch at your home ? Explain. (LO-603) (6 Marks)

**Answer** – An electrician should wear rubber gloves while repairing electric switch because rubber is an insulator and does not allow electric current to pass through it. Hence , the electrician will not get any electric shock.

**Or**

List five activities that are possible due to the presence of air. (LO-605) (6 Marks)

**Answer** – Activities - 1. The air makes windmill rotate.

2. Birds , bats and insects fly due to presence of air.

3. Air helps in dispersal of seeds and pollen of flowers.

Q.13. Do you think it is better to use compost instead of chemical fertilizers? why ? (8 Marks) (LO-611)

**Answer-** Yes. It is better to use compost instead of chemical fertilizers because compost is organic in nature , much easier to prepare and does not pollute the

environment whereas, chemical fertilizers are harmful for the soil if used in excess and also pollute the environment.

OR

Why earthworms are called **Farmers Friend** ? Explain. (LO-611&613) (8 Marks)

**Answer** – Earthworms use plant leaves as its feed and turn them into humus which contains all components of a good organic fertilizer. It also create pores in soil which results better farming conditions which helps in better growth of plants.

**Q.14.** How is the balance of oxygen and carbon dioxide in that of atmosphere maintained? Explain. (LO-605&611) (8 Marks)

**Answer-** Carbon dioxide is used by plants in the process of photosynthesis and releases Oxygen into atmosphere. Oxygen is used in respiration by all living beings and release carbon dioxide in the process. In this way plants and all living beings maintain the balance of gases in the air.

OR

Explain the following — (LO-603&606&608) (8 Marks)

a. Predators b. Respiration c. Excretion d. Reproduction

**Answer- Predators** – Predators are animals that hunts animals to use them as their food.

**Respiration** - A process by which living things produce energy from food. Respiration needs oxygen .Carbon dioxide is released in the process.

**Excretion** – Excretion is the process by which living beings leaves metabolic waste out of the body.

**Reproduction** – Reproduction is the process by which new individual organism are produced from their parent.

**Q.15.** Explain **water cycle** with a clean diagram. (10 Marks) (LO-608)

**Answer** – The diagram must include-

water source → evaporation of water from all possible water sources → formation of clouds → raining.

OR

Write about the uses and harmful effects of **plastic** in your daily life. (10 Marks)

(LO-611&613)

**Answer – Uses of plastic** – plastic is used in the making of various useful articles like toys , shoes , bags, pens, combs, toothbrushes etc.

Harmful Effect of plastic – Improper disposal of plastic materials may result in many harmful gases and chemicals in atmosphere polluting the air.

**OR**

Explain with a clean diagram **roof top water harvesting**. (LO-611&613) (10 Marks)

**Answer** – Diagram must include – Rainwater falling on rooftops → collection and drainage of water from rooftop → Device for the Cleaning of water → water- collection tank or pit for recharging or refilling of water into the ground .

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