

**O. P. JINDAL SCHOOL , SAVITRI NAGAR**  
**Half-Yearly Examination (2019 - 20)**

Class – VI

Subject – Science

Name - \_\_\_\_\_

MM : 80

Time : 3 Hrs

Roll No. \_\_\_\_\_

( Fifteen Minutes Extra will be given for reading the Question Paper )

**General Instructions :**

1. All questions are compulsory.
2. Qn 1 to Qn 20 contain 1 mark each.
3. Qn 21 to Qn 30 contain 3-marks each and to be answered in 30-40 words.
4. Qn 31 to Qn 36 contain 5-marks each and to be answered in 80-100 words.

**SECTION -A****Choose the correct option :**

- Q1.** Which among these is a compound ?  
 a. Oxygen                      b. Hydrogen                      c. Water                      d. Air
- Q2.** What revolves around the nucleus in an atom ?  
 a. Proton                      b. Neutron                      c. Electrons                      d. Molecules
- Q3.** Which among these is not a constituent of fats ?  
 a. Carbon                      b. Nitrogen                      c. Hydrogen                      d. Oxygen
- Q4.** What forms the cell walls in a plant cell ?  
 a. Sugar                      b. Glucose                      c. Cellulose                      d. Fructose
- Q5.** Which among these is a translucent object ?  
 a. Oiled paper                      b. Wood                      c. Air                      d. Steel
- Q6.** What is the time between birth and death of an organism called ?  
 a. Life time                      b. Life span                      c. Life cycle                      d. Life source
- Q7.** What is the characteristics of temperature, light, rainfall called ?  
 a. Climatic factor                      b. Biotic component                      c. Terrestrial                      d. Edaphic factors
- Q8.** What is having a metallic beam supported at the centre and two identical pans at two sides ?  
 a. Pendulum clock                      b. Balance wheel                      c. Beam balance                      d. Measuring pan
- Q9.** Which motion does 'a ball dropped from a height' have?  
 a. Circular motion                      b. Rotational motion                      c. Linear motion                      d. Oscillatory motion
- Q10.** What among these is a thin wire inside a bulb that helps it glow ?  
 a. Terminal                      b. Circuit                      c. Filament                      d. Current

**Fill in the blanks.**

- Q11. Materials that do not allow electricity to flow through them are called \_\_\_\_\_.
- Q12. The substance that burns is called a \_\_\_\_\_ substance.
- Q13. \_\_\_\_\_ is displaced in downward displacement.
- Q14. A \_\_\_\_\_ motion is repeated after fixed intervals of time.
- Q15. \_\_\_\_\_ was discovered by the Italian astronomer, Galileo Galilei.
- Q16. A \_\_\_\_\_ is the length of the foot, earlier used in measurement.
- Q17. Animals spend the entire winter in a state of sleep is called \_\_\_\_\_.
- Q18. \_\_\_\_\_ is the process of expelling waste from the body.
- Q19. A substance that is dissolved to form a solution is called a \_\_\_\_\_.
- Q20. The material that can be beaten into sheet is called \_\_\_\_\_.

**SECTION - B**

**Answer the following :**

- Q21. Write three properties of non-metals.
- Q22. How can you go for a test of proteins ?

OR

What are carbohydrates made of ? Why is it advisable to add roughage in our diet ?

- Q23. (i) Write two characteristics of glass.  
(ii) What are two benefits of classification ?
- Q24. Write an activity to show plants respond to stimuli.
- Q25. Define these. (i) Tissue (ii) Life cycle (iii) Autotrophs
- Q26. Draw and label how fish breathe.

OR

Write three adaptations of carnivores that help it to get food.

- Q27. (i) Why is it advisable to take an average of three readings of a measurement ?  
(ii) How will you measure length using a broken ruler ?
- Q28. What is oscillatory motion ? Is it always periodic ? Name one more motion that can be periodic.
- Q29. Draw and label what is inside a cell.

OR

Explain three importance of insulators.

- Q30. Write three important uses of air.

**SECTION - C**

**Q31.** Write five uses of non-metals.

OR

What are two properties of metals and three uses of metals ?

**Q32.** Write three importance of water and one benefit of vitamin B6 and iodine in our body.

OR

Write an activity each, to go for a (i) test for starch, (ii) test for fats.

**Q33.** Write three adaptations of camels and two adaptations of coniferous.

OR

Write one adaptation of each of the following.

(i) Hydrophytes (ii) Penguin (iii) Coniferous (iv) Xerophytes (v) Fish

**Q34.** When is a body said to be at rest ? Explain these.

- (i) Periodic motion
- (ii) Rectilinear motion
- (iii) Curvilinear motion
- (iv) Two motions at the same time.

OR

- (i) Something that appears to be in motion for one observer but at rest for another. Explain it.
- (ii) Explain with diagrams circular and rotational motion.

**Q35.** Draw a well labeled diagram of a torch.

OR

Describe a switch. How can you make your own switch ?

**Q36.** What is the proportion of nitrogen and oxygen in the air ? How can you prove it through an activity ?

OR

- (i) Draw oxygen-carbon dioxide balance in air.
- (ii) How can you show that soil contains air ?

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