

**KENDRIYA VIDYALAYA, NDA, PUNE.**  
**HALF YEARLY EXAMINATION 2018—2019**

**SUBJECT: SCIENCE**

**Class VII**

**Max.marks:80**

**Times: 2 1/2 hrs.**

**General Instructions:**

- 1) The question paper comprises of two sections A and B. You have to attempt both the sections.
- 2) All the questions are compulsory.
- 3) Q1 to Q4 are of one mark each.
- 4) Q5 to Q13 are of two marks each.
- 5) Q14 to Q19 are of three marks each.
- 6) Q20 to Q24 are of five mark each.
- 7) Q25 to Q30 are practical based questions and are of two mark each.

**Section A**

- |   |            |
|---|------------|
| Q1) What is reeling?  | 1          |
| Q2) What is the normal temperature of human body?   | 1          |
| Q3) Write names of two natural indicators.  | 1          |
| Q4) Name the device used to find out wind direction at a given place.   | 1          |
| Q5) Describe the process of synthesis of food in green plants.  | 2          |
| Q6) Name the type of carbohydrate that can be digested by ruminants but not by humans.<br>Give the reason also. | 2          |
| Q7) Draw the life cycle of silk moth.   | 2          |
| Q8) Describe the process of neutralization with the help of an example.   | 2          |
| Q9) Explain how painting of an iron gate prevents it from rusting.  | 2          |
| Q10) Differentiate between physical and chemical change with example.   | 2          |
| Q11) Why holes are made in hangings banners and hoardings?  | 2          |
| Q12) Define the following:--  | 2          |
| i) Weathering.  | ii) Humus. |
| Q13) What is breathing rate?  | 2          |
| Q14) What is symbiosis? Give an example.  | 3          |
| Q15) Write the steps to process fibre into wool.  | 3          |
| Q16) i) Differentiate between conductors and insulators.  | 2          |
| ii) What is conduction?   | 1          |

Q17) i) What are acids? Give two examples.	2
ii) Which acid is found in curd?	1
Q18) The tropical rainforest has large population of animals. Explain why?	3
Q19) i) What are cyclones?	2
ii) Write any two properties of air.	1
Q20) i) Distinguish between parasites and saprotrophs.	3
ii) Why do organisms take food?	2
Q21 ) Explain digestion in humans with the diagram.	5
Q22) i) Write the adaptations of polar bear.	2
ii) What is weather? What are elements of weather?	3
Q23) List the differences between sandy and clayey soil.	3
Q24) Explain how soil is formed?	2
Q25) i) Why does an athlete breathe faster and deeper than usual after finishing the race?	2
ii) How do humans breathe?	3

### **Section B**

Q26) Which liquid is secreted by liver? Where is it stored?	2
Q27) How to read a thermometer?	2
Q28) What happens when turmeric is added to acids and bases?	2
Q29) What product is formed when magnesium react with oxygen/	2
Q30) What happens when we blow air between two inflated balloons and why?	2
Q31) Name two activities :	2
i)When rate of breathing will be the slowest.	
ii) When rate of breathing will be the fastest	