

**Kendriya Vidyalaya AFS Manauri Allahabad**

F.A.3 (2016-2017)

Class-VII

Sub: Science

Time: 1hour 30 minutes

M.M.40

Note: All the questions are compulsory.

Q.1.Choose the right answer:

1x5=5

i. Which of the following is the chemical change?

- a. Melting of wax
- b. burning of a paper
- c. melting of ice in to water
- d .Cutting of paper in to pieces

ii. in which type of change a new substance is formed?

- a. physical change
- b. chemical change
- c. In both
- d. None of these

iii .In which horizon of soil minerals are found:

- a. A
- b. B
- b. C
- d. None

iv. During exhalation the ribs

- a. move outwards
- b. move downwards
- c .move upwards
- d.do not move at all

v. In cockroaches, air enters the body through

- a. lungs
- b. gills
- c. spiracles
- d. skin

Q.2.classify the following in to Physical and Chemical changes:

2

a. Photosynthesis

b .Cutting of wood

c .Digestion of food

d. Dissolving sugar in to water

Q.3.Draw the diagram of soil profile .2

Q.4.What is percolation rate of water in soil? 2

Q.5.Why does an athletes breathe faster and deeper than usual?

2

Q.6.What is galvanization? 2

Q.7.Distinguish between aerobic and anaerobic respiration.3

Q.8.Explain how soil is formed? 3

Q.9.List the differences between clayey and sandy soil.3

Q. 10. How would you show that setting of curd is chemical change?

3

Q.11.How do plastics and polythene bags pollute the soil ?3

Q.12.Draw the diagram of human respiratory system .5

Q.13.What is rusting? Explain how painting of an iron gate prevents it from rusting? 5

