



Class : VII Student's Name: Roll. No.

Subject : Science Date : 12/10/2018 Max. Marks : 80 Time : 3 Hrs.

Invigilator's Name:.....Sign:.....

General Instructions:

- The first 15 minutes have been allotted for reading this question paper. These 15 minutes have to be used by the candidates for thorough silent reading of the question paper. During this period, the students will not write any answer on the answer- book and the question paper. The students should start writing on the next stroke of the bell.
- Write in neat and clean handwriting. All questions are compulsory.

Section – A

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Q. 1 Multiple choice question.

(1x2= 2)

i) Weathering of rocks occurs due to

- a) strong winds b) flowing water c) all of these

ii) The darkest layer of soil is

- a) Top soil b) bed rock c) sub- Soil

Q.2 Answer the following in about 30 words each.

(3x2 = 6)

- i) Name two agents which cause soil erosion .
- ii) What does air contain ?
- iii) Mention one adaptation in penguins

or

Name two human activities which influence the climate of a place.

Q. 3 Answer the following in about 50 words each.

(3x10 = 30)

- i) What is sericulture ?
- ii) What is the function of large intestine

or

What is the structure of stomach in ruminants?

- iii) Why are the animals and humans called heterotrophs ?
- iv) Name the three different mode of heat transfer and the different types of temperature scales
- v) Name three acids and three bases .
- vi) Describe any three chemical changes.
- vii) Mention three adaptations in elephants
- viii) What are tornadoes ?
- ix) Draw a diagram to show three main layers of soil.
- x) Write two differences between clinical and laboratory thermometers.

Q.4 Answer the following in about 70 words each.

(5X6 = 30)

- i) What is soil erosion? What are the causes of soil erosion? How can soil erosion be prevented?
- ii) Why is the sublimation a physical change ?

or

Explain the process of sublimation with the help of an example

- iii) How are wind currents generated ?
- iv) Draw a labelled diagram of alimentary canal .

or

Draw a labelled diagram of life cycle of silk moth.

- v) What is meant by neutralisation reaction ? Give one example.
- vi) Define radiation and radiant heat ?

Section – B

(2X6 = 12)

Q.5 What is the colour of turmeric in a basic solutions ?

Q.6 What happens when we burn a magnesium ribbon ? Which type of change it is ?

Q.7 What is the chemical name of rust ? Is it having same properties as iron ?

Q.8 How can you show that air moves from high pressure to low pressure with the help of an activity?

Q. 9 What is the formula to find out percolation rate of water in soil?

Q.10 What will be the colour of red litmus in acidic solution?
