



V & C Patel English School
Half Yearly Exam

Std: VII
Subject: Science

Max.Marks: 80
Date: 15-09-2017
Time: 3 hrs

General Instructions:

Section A Q.No. 1 to 8 carry 1 mark each

Section B Q.No. 9 to 16 carry 2 marks each

Section C Q.No. 17 to 24 carry 3 marks each.

Section D Q.No. 25 to 27 carry 4 marks each

Section E Q.No.28 to 31 carry 5 marks each

Section A

(1x8=8)

- 1) Define saprotrophic mode of nutrition.
- 2) Name any one digestive juice and describe its role in digestion.
- 3) What is shearing?
- 4) Name two good conductors of heat.
- 5) What happens when an acid reacts with a base?
- 6) Which type of change is usually not reversible?
- 7) Who issues cyclone alerts in India?
- 8) Why do birds migrate?

Section B

(2x8=16)

- 9) Why do organisms need to take food? What are the two main modes of nutrition in organisms?
- 10) What is the role of mucus in stomach?
- 11) Why does a yellow curry stain on a white shirt turn red when it is washed with soap?
- 12) Why are cooking utensils provided with handles made of plastic or wood?
- 13) Explain why, holes are made in hanging banners and hoardings.
- 14) Why are the tools and machine parts made of iron smeared with grease or oil?
- 15) What are tusks? How does an elephant make use of tusks for survival?
- 16) What is meant by the 'rearing' and 'breeding' of sheep?

Section C

(3x8=24)

- 17) What would happen if high speed winds blow over a house having weak tin roof? Give reason for your answer.
- 18) What is meant by the rusting of iron? State two conditions necessary for the rusting of iron to occur.
- 19) Define radiation. Give any two examples where heat is transferred by radiation
- 20) Describe the importance of photosynthesis for the existence of life on the earth.
- 21) Blue litmus paper is dipped in a solution. It remains blue. What is the nature of the solution? Explain in your words. Write uses of salt.

OR

- Differentiate between acid and base in detail.
- 22) Describe briefly how silk is produced.

- 23) What is meant by "adaptation"? Explain with the help of an example.
24) Describe with the help of labelled diagram, how feeding and digestion in Amoeba takes place.

Section D

(4x3=12)

- 25) Raj and Tania attend a wedding party. They are unhappy about the firecrackers being burst as part of the celebrations.
a) Why do you think they are unhappy?
b) What type of changes does bursting of firecrackers involve?
c) What advice should Raj & Tania give to the host?
26) How is the process of neutralization helpful in our daily life? Explain with any two examples.
27) Name the major climatic zones of the Earth. Differentiate between climate and weather.

Section E

(5x4=20)

- 28) Write a detailed note on adaptation in
a) Lion-tailed macaque
b) Red-eyed tree frog
29) Properties and uses of acids and bases.
30) Draw a well labelled diagram of Cyclone. Write safety measures to be followed during cyclone.
31) Explain the steps involved in wool processing.

OR

Describe in detail about modes of Nutrition in plants.

GOOD LUCK