

J.K.G.International, Vijay Nagar
Summative Assessment –II (2015-2016)
Sample paper
CLASS – VIII

Time: 3 hrs.

SCIENCE

M.M 90

General instructions:

- 1. The question paper comprises of two sections, A and B. You are to attempt both the sections.**
- 2. All the questions are compulsory.**
- 3. All questions of sections – A and all questions of section – B are to be attempted separately.**

Section-A

- Q-1 Name the gas produced by yeast when it reproduces. (1)
- Q-2 What percent of carbon is present in lignite coal? (1)
- Q-3 How can a blind person read? (1)
- Q-4 Explain why Lysosome is known as “suicide bag of the cell”. (2)
- Q-5 Sometime a cracking sound is heard while taking off a sweater during winter --- Explain. (2)
- Q-6 Name the gases present in coal gas. (2)
- Q-7 What are antibiotics? Give two examples. Is it also used to control diseases in plant? (3)
- Q-8 Name the process by which daughter cells are formed. Why is these process necessary? (3)
- Q-9 Why is tin electroplated on iron to make cans used for storing food? (3)
- Q-10 Which part of our body is responsible for producing sound? How can you explain the difference between voice of men, women and children. (3)
- Q-11 What are the characteristics of the image formed by a plane mirror? (3)
- Q-12 What is air pollution? How can you help in reducing air pollution at your individual level? (3)
- Q-13 Explain the process of pasteurisation. Who discovered it? (3)
- Q-14 How is petroleum formed? Explain with diagram. (3)
- Q-15 Why do you think some liquids can conduct electricity while some cannot? (3)
- Q-16 How does lightning take place when two charged clouds come closer? (3)
- Q-17 Differentiate between regular and diffused reflection? Does diffused reflection means the failure of the laws of reflection? (3)
- Q-18 Mention three ways by which different water sources in India get contaminated. (3)
- Q-19 What is nitrogen cycle? Explain it with the help of a diagram. (5)
- Q-20 Write the differences between prokaryotic cell and eukaryotic cell. Draw a labelled diagram of a prokaryotic cell. (5)
- Q-21 What is voltameter? What is the uses of it. Draw a labelled diagram of voltameter. (5)
- Q-22 Sameer goes to the market with his younger brother, Sachin on a bicycle. While returning, a sudden lightning and thunder strikes the nearby place. They both get scared and take shelter in a building although there is a tall tree nearby.
- a) Why did Sameer and Sachin not take shelter under the tree? b) Why did they listen the

- sound of lightning little later than watching it? c) Has Sameer done the right thing in your opinion? Why / Why not? (5)
- Q-23 A person can see distant objects clearly but cannot see nearby objects. Which type of eye defects the person is suffering from? How can the defect be corrected? Explain with diagram.(5)
- Q-24 Explain circumstances leading to acid rain. How does acid rain affect us? (5)

Section-B

- Q-25 Microscope is used to observe (1)
a) small organisms b) slides c) all of these
- Q-26 A glass slide used to study under microscope is (1)
a) oval b) rectangular c) both
- Q-27 The shape of lactobacillus is (1)
a) rod shaped b) spiral shaped c) comma shaped
- Q-28 A glass rod acquires _____ charge. (1)
a) positive b) negative c) neutral
- Q-29 The bacteria present in curd are (1)
a) rhizobium b) lactobacillus c) rhizopus
- Q-30 When a comb rubbed against dry hair comes close to small paper pieces it shows (1)
a) attraction b) repulsion c) neither attraction nor repulsion
- Q-31 The hottest zone of candle flame is _____ zone. (1)
a) innermost b) middle c) outermost
- Q-32 Fermentation of dough takes place by (1)
a)Yeast b) Rhizopus c) None of these
- Q-33 Cork cells are (1)
a) dead cell b) living cell c) huge in size
- Q-34 What is the function of xylem and phloem? (2)
- Q-35 Write the name of four microorganisms. (2)
- Q-36 What happens to a charged balloon when it comes in contact with a charged refill? Explain. (2)

