

INDIAN SCHOOL SOHAR
SUMMATIVE ASSESSMENT-I
SUBJECT: SCIENCE

CLASS - VIII

DATE:- 22.09.13

MARKS:-60

TIME: 2 HRS

I. CHOOSE THE APPROPRIATE ANSWER FROM THE OPTIONS GIVEN BELOW: (1×5=5)

1. Tuberculosis is caused by a
 a) virus b) bacteria c) protozoa d) fungi.
2. Boron, silicon, antimony etc are examples of
 a) metals b) non-metals c) metalloids d) noble metals.
3. An ideal fuel should have a
 a) moderate ignition temperature b) low calorific value
 c) very high temperature d) strong odour.
4. A porous black substance almost pure form of carbon left behind as a residue when coal is subjected to destructive distillation is
 a) coke b) coal gas c) charcoal d) coal tar.
5. Organelles which help in the digestion of foreign bodies and worn out cells parts
 a) vacuoles b) Golgi bodies c) lysosomes d) endoplasmic reticulum .

II. FILL IN THE BLANK: (1×5=5)

1. The changes that take place during the development of an animal from larval stage to an adult _____.
2. Leaving the field uncultivated to replenish the nutrients in the soil _____.
3. Virus infecting bacteria are called _____.
4. The lowest temperature at which a substance catches fire is its _____.
5. The living substance of a cell, which includes the cytoplasm & nucleus is _____.

III. VERY SHORT ANSWER TYPE QUESTIONS: (1×5=5)

1. What is a nucleoid?
2. Why do goldsmiths blow the outermost zone of a flame with a metallic pipe? (write 2 points)
3. Why is coke preferred over coal?
4. Define alloys? Write the composition of bronze.
5. Anita after consuming pizza which had been spoilt, started vomiting.
 a) What is this condition called?
 b) State two factors for the spoilage of pizza.

IV. SHORT ANSWER TYPE QUESTIONS: (2×6=12)

1. How does a zygote differ from a foetus?
2. Which cell organelle is called as the power house of the cell? Justify. (two points.)
3. a) How is the efficiency of the fuel judged and expressed?
 b) Define the term used for judging the fuel.
4. Why is CNG considered a better fuel than petrol and diesel for vehicles? Give reasons(2 points)
5. a) What is organic farming?
 b) Name the bacteria found in root nodules of leguminous plants? State its function.
6. During an experiment Raju had dissolved sodium oxide in water.
 a) What was formed? Represent the reaction with a balanced equation.
 b) What was the nature of the solution?
 c) What was the reaction with litmus paper?

V.LONG ANSWER TYPE QUESTIONS:**(3×6=18)**

1. a) Name the two main factors for rusting of iron.
b) Write the balanced chemical equation to show how rust is formed.
c) Mention two methods to achieve rust proofing.
2. a) What are Rabi and Kharif seasons in agriculture?
b) Give two examples of Rabi and Kharif crops.
c) Why are these crops grown during these seasons?
3. a) Define destructive distillation of coal.
b) Write two tips to conserve petrol/diesel.
4. Complete the blanks in the given table:-

Microorganisms	Disease	Mode Of Transmission
i)-----	Rust of Wheat	ii) -----
Virus	iii) -----	iv) -----
v) -----	Citrus canker	vi) -----

5. Explain the type of reproduction in amoeba with a neat labeled diagram.
6. a) Name the small spherical structure present inside the nucleus.State its function.
b) State two main differences between cell wall and cell membrane.

VI.VERY LONG ANSWER TYPE QUESTIONS:**(5×3=15)**

1. a) What happens when iron nail is put in copper sulphate solution. Write the equation.
b) What will be the color of the solution?
c) What will be deposited on the iron nail?
d) Why does this happen?
e) Name the reaction involved.
2. Describe an experiment with a neat labeled diagram to show that a substance catches fire only when the ignition temperature is reached.
3. a) Draw a neat labeled diagram of human male **or** female reproductive system.
b) Answer in one word:-
i) How many days does the foetus take to develop in the human womb?
ii) Where is the site of implantation of the embryo in the female?
iii) What is the onset of sexual maturity in humans called?
iv) What is the name given to a baby born by IVF technique?

*****THE END*****