



HALF YEARLY (2020 - 21)					
Student's Name :		Grade	VIII	Roll No.	
Date :	9-9-20	Time	3 hrs.	Subject	SCIENCE
Teacher's Sign.				Total Marks	80

General Instruction –

- Read the paper carefully and attempt all the questions.
- The paper consists of four sections.
 - i. Section A question carry one mark each.
 - ii. Section B question contain two marks each.
 - iii. Section C question contain three marks each.
 - iv. Section D question contain five marks each.

SECTION –A

[41 Marks]

Q 1. Tick the correct option –

- i) Carrier of malaria-causing protozoan is
 - (a) Female Anopheles mosquito
 - (b) cockroach
 - (c) housefly
 - (d) butterfly
- ii) Which of the following can be beaten into thin sheets?
 - (a) Zinc
 - (b) Phosphorus
 - (c) Sulphur
 - (d) Oxygen
- iii) Internal fertilization occurs
 - (a) In female body.
 - (b) In male body
 - (c) Outside female body
 - (d) Outside male body
- iv) The number of nuclei present in a zygote is
 - (a)None
 - (b)One
 - (c) Two
 - (d) Four
- v) The gas released during the preparation of bread is
 - (a) Oxygen
 - (b) Nitrogen
 - (c) carbon dioxide
 - (d) sulphur dioxide
- vi) Pick the synthetic fibre out of the following?
 - (a) Cotton
 - (b) Nylon
 - (c) Jute
 - (d) Wool
- vii) Which substance is formed by the carbonisation of dead vegetation?
 - (a) Coal
 - (b) coke
 - (c) coal gas
 - (d) Petroleum
- viii) The substance that does not burn with flame is
 - (a) LPG
 - (b) camphor
 - (c) dry grass
 - (d) charcoal
- ix) The jelly-like fluid substance present in cells is called
 - (a) Protoplasm
 - (b) Chromosome
 - (c) Chloroplast
 - (d) Cytoplasm

x) Which of the following is not a constituent of petroleum?

- (a) paraffin wax (b) lubricating oil (c) petrol (d) coke

Q 2. State whether the following statements are True (T) or False (F) –

- i) Oviparous animals give birth to young one.
- ii) Each sperm is a single cell.
- iii) Binary fission is a method of asexual reproduction.
- iv) CNG is more polluting fuel than petrol.
- v) Coal can be drawn into wires.
- vi) Coke is almost pure form of carbon.
- vii) External fertilisation takes place in frog.
- viii) Magnesium on burning in air produces Magnesium Oxide (MgO).
- ix) Iron is non - reactive metal.
- x) Terrycot is made from wood pulp.

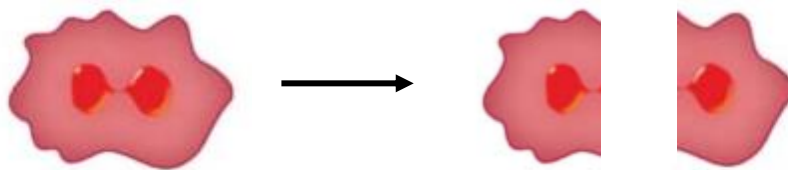
Q 3. Fill in the blanks –

- i) Microorganisms can be seen with the help of a _____.
- ii) Synthetic fibres are also called _____ fibres.
- iii) _____ are preserved by the use of oil and vinegar.
- iv) Fire produced by oil cannot be controlled by _____.
- v) Cholera is caused by a _____.
- vi) _____ is the process of heat and cold treatment for preserving milk.
- vii) Alcohol is produced with the help of _____.
- viii) Phosphorus is a very _____ non-metal.
- ix) A liquid fuel, used in home is _____.
- x) Least polluting fuel for vehicle is _____.

Q 4. Answer in one word –

- i) Name one leguminous plant.
- ii) Name one commercial use of yeast.
- iii) A synthetic fiber which looks like silk is obtained by chemical treatment of wood pulp. It is, therefore, known as artificial silk. What is its common name?
- iv) Name the petroleum product used as fuel for stoves, lamps and jet aircrafts.
- v) Write the full form of CNG.
- vi) Name one unicellular organism.
- vii) Name one Kharif crop.
- viii) Which liquid metal is used for making thermometers?

- ix) Which non-metal is essential for our life and all living beings inhale it during breathing?
- x) Name the tool used with a tractor for sowing seeds in a field.
- xi) Name the reproduction shown in the given below diagram.



SECTION – B

[20 Marks]

Q 5. Answer the following questions in one or two sentences - (any 10)

- i) Why plastic containers are favoured for storing food ?
- ii) In which female reproductive organ does the embryo get embedded?
- iii) Write one important use of bacteria in our daily life.
- iv) Why is it not advisable to burn plastic and synthetic fabrics?
- v) Why are bells made of metals?
- vi) In the given figure you find that the bulb glows when an iron nail is placed between two ends of wire. Complete the following sentences on the bases of this fact.

- (a) _____ is a metal.
- (b) Metals are good _____ of electricity.



- vii) Name some exhaustible natural resources.
- viii) State the characteristics and uses of coke.
- ix) Name the unit in which the calorific value of a fuel is expressed.
- x) Write one importance of synthetic polymers in our life.
- xi) Differentiate between internal fertilisation and external fertilisation.
- xii) Can microorganisms be seen with the naked eyes? If not, how can they be seen?

SECTION – C

[9 Marks]

Q 6. Answer in Short – (any 3)

- i) What are the advantages of using CNG and LPG as fuels?
- ii) Give reason why, is it advised to keep the door open when an angethi / burning coal is their in the closed rooms during winter ?
- iii) What is the importance of reproduction?

- iv) Plastic is used for making a large variety of articles of daily use and these articles are very attractive. But it is advised to avoid the use of plastic as far as possible. Why?
- v) Make a sketch of the human nerve cell. What function do nerve cells perform?
- vi) Write short notes on the following - (a) Cytoplasm

SECTION – D

[10 Marks]

Q 7. Answer in detail – (any 2)

- i) How will you plan the garden? Write the steps.
- ii) Make a labeled diagram of candle flame.
- iii) Label the parts A to E in the given diagram -

