

INTERNATIOANL INDIAN SCHOOL BURAIDAH

MID –TERM SAMPLE PAPER SCIENCE CLASS 7

DATE:

TIME: 3Hrs

Max.Marks: 80

SECTION A (1Mark each sub-part)

A. Choose the correct option:-

1x15=15

1. _____ is a natural substance obtained from lichens .
a) China rose b) Beetroot c)Hibiscus d) Litmus
2. The leaves of autotrophic plants are their
a) Water bodies b) food factories c) snacks d) all of the above
3. A pigment present in the leaves helping in photosynthesis is
a) Chlorophyll b) Chromoplast c) Leucoplast d) None of the above
4. The teeth for tearing food are
a) Incisors b) Canines c) Molars d) Pre-molars
5. Amoeba captures food using
a) pseudopodea b) vacuole c)nucleus d) All of the above
6. Gland that secretes bile juice in human is
a) Sweat gland b) Salivary glands c) Pancreas d) Liver
7. An example of insectivorous plant is
a)Rose b) Neem c) Cactus d) Pitcher plant
8. The yellow colour of _____ turns red in basic solutions.
a) turmeric b) rose c) sunflower d) sun
9. Acid found in tamarind is
a) Tartaric acid B) Citric acid c) Ascorbic acid d) Nitric acid
10. A _____ is a simple device which can either break or complete the circuit.
a) wire b) Plug c) bulb d) switch
11. An LED has _____ terminals
a) two B) three c) four d) zero
12. Bad conductors of electricity are
a) Iron & plastic B) plastic & wood c) iron & aluminium
13. The chemical name of vinegar is
a) Acetic acid B) Nitric acid c)Tartaric acid d) Hydrochloric acid
14. Carbon di oxide turns limewater
a) watery B) milky c)sweet d) blackish
15. Burning of any substance is
a) Chemical change b)Physical change c)both a & b d) Not a change

B. FILL IN THE BLANKS:

1x10=10

1. Light energy is converted into _____ during the process of Photosynthesis.
2. The food synthesized by plants is stored as _____.
3. The _____ stores bile juice secreted by the liver.

4. Function of saliva in the mouth is _____.
5. Extract of red rose gives green colour in _____ solution.
6. Substances which are neither acidic nor basic are called _____.
7. Electric current can pass through _____ in one direction.
8. Iron is an example of _____.
9. Digestion of food is _____ change.
10. Plastic is an example of _____.

C. The question below consists of an Assertion and a Reason. Use the following key to choose the appropriate answer. **1x5=5**

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.

1. Assertion (A): sugar solution is neutral

Reason (R): Neutral substances are neither acidic nor basic.

2. Assertion (A) : Plants perform photosynthesis

Reason (R) : Humans and animals depend on plants for their food.

3. Assertion: Sugar is a neutral substance.

Reason (R): A sugar solution turns red litmus blue.

4. Assertion(A) : The switch in a circuit is not important .

Reason (A) :The switch can be placed anywhere in the circuit.

5. Assertion (A): boiling of water is a physical change.

Reason (R) : In boiling of water, the original substance remains same only its form or state changes.

D. Name the following or answer in one word :

1x5=5

1. A base .
2. A neutral substance
3. An acid
4. The glowing thin wire of the lamp.
5. Name a process in which both physical and chemical change is involved.

SECTION B (2 Marks each question)

2x5=10

E. Answer the following :

1. Give an example of insectivorous plant .
2. Define : Saprotrophic nutrition
3. Define : a) conductors b) switch
4. Explain why calamine solution is applied on skin when an ant bites.
5. Is curdling of milk is a physical change or a chemical change. Justify your answer.

SECTION C (3 Marks each answer)

F. ANSWER THE FOLLOWING: (ANY 5)

3x5=15

1. Why do we get instant energy from glucose ?
2. Give a brief note on synthesis of food in green plants.

3. Draw a circuit diagram for a simple torch using symbols for Electric components.
4. State differences between acids and bases.
5. Write three characteristics of Chemical change.
6. Draw a diagram of cell and label it with nucleus , cytoplasm and cell membrane.

SECTION D (4 Marks each answer)

G. ANSWER THE FOLLOWING : (ANY 5)

4x5=20

1. Draw a circuit diagram (a) with incandescent lamp (b) with an LED lamp
2. Labubu has a few bottles of soft drink in his restaurant. But unfortunately these are not labelled. He has to serve the drinks on the demand of customers. One customer wants acidic drink another wants basic and third one wants neutral drink. How will Labubu decide which drink is to be served to whom?
3. A) What are Physical properties?
B) Define : combustion
4. Draw a well labelled diagram of structure of leaf in plants.
5. Draw a well Labelled diagram of Digestive System .
6. Draw the symbols to represent the following components of electric circuits: a) connecting wires b) battery c) incandescent bulb d) switch ON and OFF both positions