HOME ASSIGNMENT-2020

CLASS: EIGHT

SCIENCE (Chapter-01 to Chapter-06)

PART-A: CREATIVE QUESTIONS

Observe the stems and write down the answer of the following creative questions.

1.







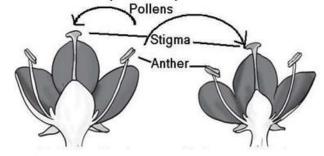
Figure-1

Figure-2

Figure-3

- a) What is the name of the organ by which the animal of figure-1 releases nitrogenous wastage?
- b) Why are gills present in the animal of figure-2 instead of lungs?
- c) What type of cell division occurs in the zygote of the animal of figure-2?—Explain.
- d) Though both of the animals of figure-1 and figure-3 are parasites, they are not same in their structure and character.—Analyze.

2.



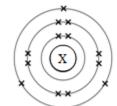


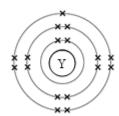
Process-1

Process-2

- a) By which process pollens are produced from pollen mother cell?
- b) Why does petal of flower become colorful and scented?
- c) Explain how process-2 is dependent on process-1.
- d) Process-2 is very important to maintain the existence of plants in the world.—Analyze.

3.







[Here X, Y and Z are not real symbols of the elements.]

- a) What is ion?
- b) Which one of the above three is stable and why?
- c) If the mass number of X, Y and Z are 27, 35 and 40 respectively, find out their neutron number.
- d) Which two of three elements will form a compound and how?—Analyze with logic.

PART-B: SHORT QUESTIONS

Write down the answer of the following questions in one word.	
1)	What is the name of the branch of biology which discusses the step-wise grouping of the living world? Ans:
2)	What is the name of the layer of embryo from which different organs of an animal are originated? Ans:
3)	Which part of a Salpa contains notochord? Ans:
4)	In which stage of karyokinesis do the chromosomes split at their centromeres? Ans:
5)	Which stage of mitosis is the reversal of the prophase? Ans:
6)	By which process of cell division is egg created in the embryo sac? Ans:
<i>7)</i>	What is the name of the character controlling part of the chromosome? Ans:
8)	What is the name of the process by which cell wall of plant absorbs water? Ans:
9)	Which process decreases water pressure of the plant body? Ans:
10,	Which modified vegetative part of a plant bears distinct nodes and internodes? Ans:
11,	How many female gametes are there in ten embryo sacs? Ans:
12,	What of embryo sac develops into cereal grains? Ans:
13,	Write down the name of a receptor of your body. Ans:
14,	Due to the effect of which organic compound are deformed seedlings produced? Ans:
15,	Which part of a neuron receives a stimulus? Ans:
16,	What type of neuron is present in the gray matter of spinal cord? Ans:
17,	How many electrons does a magnesium ion (Mg ²⁺) contain? Ans:
18,	Write down the electronic configuration of a chloride ion (Cl ⁻). Ans:
19,	Which element has same electronic configuration as phosphorous ion (P^{3-}) ?

20) Which atoms are isotopes of each other among $^{35}_{17}$ Cl, $^{40}_{19}$ K, $^{37}_{17}$ Cl, $^{40}_{20}$ Ca and $^{40}_{16}$ S?

Ans: