

X CLASS BIOLOGY MODEL PAPER IN

ENGLISH MEDIUM.

SECTION -1

A)ANSWER THE FOLLOWING QUESTIONS

EACH QUESTION CARRIES ½ MARK.

1)Plants store energy in this form.

a)ATP b)NADPH<sub>2</sub> c)a&b d)none of these.

2)which is the last part in path way of air in human beings?

3)write the respiratory pigment present in blood.

4)Number of cranial nerves in our body are -----

a)13 pairs b)15 pairs c)12pairs d)16 pairs

5) Length of kidney is 5cm and its breadth is \_\_\_\_\_

6)Which organism is involved in fission?

a) bacteria b) mushroom c) amoeba d) a & c

7)Define the term fertilization.

8)Write the name of teeth that helps in tearing food.

9)Mendel, in his experiments, which type of plants he got in first generation, when he crossed tall pea plants with dwarf pea plants?

1)all are dwarf plants 2)all are tall plants 3)half tall 4)half dwarf

a)1 is correct b)2 is correct c)3 is correct d)4 is correct

10)what is the function of ghrelin?

11)Name the scientist who studied on pinhead birds.

12)Which system releases energy in our body?

Section-2

13)Write the end products of respiration.


14)Write any three malnutrition diseases

15)Write the reason why the testis are located outside of the male body ?

16) Name the plants which are preserved alkaloids in leaves and bark

17) Write the first and last parts in reflex arc.

18) Expand IUCN

19)  This symbol indicates \_\_\_\_\_

20) Generally we should call primary consumers as herbivores, then What should we call secondary consumers in food chain?

### Section-3

21) Define the term Photosynthesis.

22) Write the blood vessels attached to the heart in our body.

23) Draw a neat labelled diagram of embryo sac.

24) Write the importance of meiosis.

25) Rani said that same gas is responsible for photosynthesis and global warming.

Is it correct? If it is correct explain it.

26) Identify the diagram and write any two sentences about it.



27) What are the impacts arising due to particulate pollutants?

28) Give reasons for decrease of ground water level.

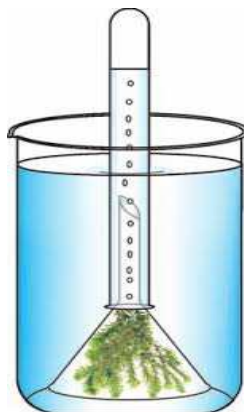
### Section -4

29) Write the differences between aerobic and anaerobic respirations.

Or

Write the differences between PCT and DCT in nephron.

30) By observing the following experiment write the answers for the questions below the diagram



- a)What is the aim of this experiment?
- b)Write the operators using in this experiment
- c)Write the observation.
- d)How can you test the gas which is released in this experiment?

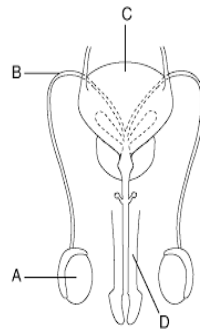
Or

Write the operators and procedure in the experiment “observation of fungi on bread”

- 1)Draw a neat labelled diagram of LS of flower and write important parts in it.

Or

Identify and labele the parts of the following diagram and write about penis .



- 32)fill the following the table with proper words.

coffein		central nervous system
	neem	antiseptic
reserpine	Rauwolfia serpentina	
morphine		painkiller

Or

Read the following para and write the answers given under the paragraph.

During respiration we breathe continually by inhaling and exhaling air. This is an involuntary process controlled by the medulla oblongata of the autonomous nerves system (ANS). During respiration the movement of inter costal muscles/diaphragm moves the ribs cage inflating and deflating the lungs. Air containing more of oxygen enters the blood stream through lungs. If the oxygen has to reach the tissues it has to be circulated through blood. How does this process go on?

Hence the process of digestion which is a complex process that involves many organs and organ systems. Though digestion occurs in the food canal, co-ordination of respiration and blood circulation is necessary otherwise oxidation of food and transport of substances which is vital for energy releasing process will not take place. This may lead to the shut down of systems interdependent on each other.

### Questions

- 1) Which systems coordinates the oxidation of food.?
- 2) Which gas is high in entering air in lungs?
- 3) Which part helps in contraction and relaxation of lungs while breath?
- 4) what will happen in the absence of coordination in life processes?
- 33) Write the consequences of the absence of chloroplasts in plants.

Or

What type of questions do you ask the cardiologist to know about the heart diseases?