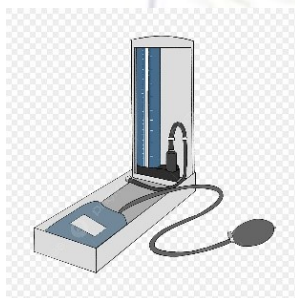


**PRACTICE PAPER - III****SCIENCE - BIOLOGICAL SCIENCE - PAPER-II****జిల్లా 1<sup>st</sup>  
శ్రీ ప్రతిభ****Time : 2.00 Hrs ]****[ Max.Marks : 50****INSTRUCTIONS :-**

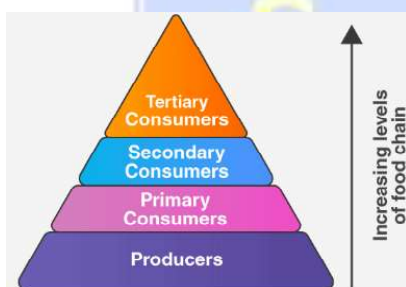
1. Question paper consists of 4 sections and 17 questions.
2. Internal choice is there only for Q.No 12 in section-III and for all the questions in section-IV
3. In the duration of 2 Hours, 15 Minints of time is allotted to read the question paper.
4. All answers should be written in the answer booklet only.
5. Answers should be written neatly and legibly.

**SECTION - I****Note : 1) Answer all the Questions****6x1=6 Marks****2) Each Questions carries 1 Mark.**

1. Which is the main nitrogenous waste product excreted by humans?
2. Name the apparatus and its uses showing the figure.



3. Expand STD.
4. Observe the given food pyramid In which trophic level do you find herbivores?

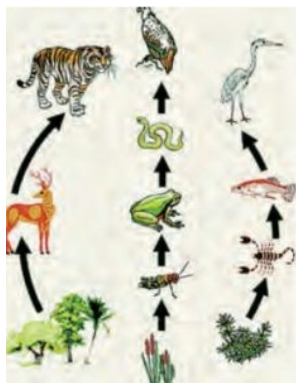


5. What is 3'r?
6. Suggest one alternative method in place of pesticides to protect crops?

**SECTION - II****Note : 1) Answer all the Questions****4x2=8 Marks****2) Each Questions carries 2 Marks.**

7. What should we do to keep our kidney healthy?
8. What precaution do you suggest to your friend to avoid diabetes?

9. Look at the figure and answer the following questions.



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- What are the producers in the picture?
  - Which food chain has more trophic levels?
10. What will happen if we kill all the organisms in one trophic level?

### SECTION - III

**Note :** 1) Answer all the Questions

**5x4=20 Marks**

2) Each Questions carries 4 Marks.

- Write the differences between aerobic and anaerobic respirations?
- Draw a diagram depicting the germination of pollen tube and the process of fertilization. Label all the parts involved.

(Or)

Draw a neat labelled diagram of Neutron.

- Explain the following
  - Regeneration in Planaria.
  - Budding in Hydra.
- What are decomposers What will be the consequences of their absence in an ecosystem?  
The blood circulatory system is a system of organs that includes the heart, blood vessels and blood which is circulated throughout the entire body of human or other vertebrates. The carbon dioxide rich blood has to reach the lungs for the carbon dioxide is to be removed, and oxygenated pack from the lungs has to be brought back to the heart. This rich blood is then pumped to the rest of the body.
- Read the following passage and answer the questions.
  - What do you mean by the term double circulation?
  - Which blood vessel carries deoxygenated blood from bodyparts to heart?
  - What is meant by heartbeat? What is the usual heart beat rate at rest?
  - What changes occurs in the heart beat. if a person runs for a while?

### SECTION - IV

**Note :** 1) Answer all the Questions

**2x8=16 Marks**

2) Each Questions carries 8 Marks.

16. Prove that  $\text{CO}_2$  is evolved in the fermentation by yeast?

(Or)

Prove the process of reproduction in yeast in a lab.

17. What is trophic movemen in the plants? What are the types of trophic movements that plant exhibit.

(Or)

How do Mendel's experiment show that the traits are inhibited independently?