

PRACTICE PAPER - I

SCIENCE - BIOLOGICAL SCIENCE - PAPER-II

జిల్లా 1st
శ్రీ ప్రతిభ

Time : 2.00 Hrs]

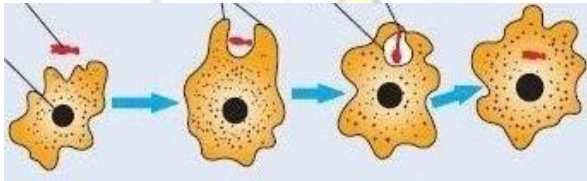
[Max.Marks : 50

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. Observe the following diagram and answer the questions.



Which life process is going on in amoeba?

2. What is the role of mucus in the respiratory system?
3. Writ any two characters Mendel Selected for his experiments on pea plant.
4. Expand UNEP.
5. Write any two slogans on the necessity of forests and their conservation.
6. Observe the following checker board.

	T	t
T	TT	Tt
t	Tt	tt

Write the genotypic ratio of the checker board.

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

7. We are advised to take is iodised salt in our diet by doctors. Justity its importance in our body.
8. Prepare four questions for the gastroenterologist to know the problems that occur in the digestive system.

9. List two causes of depletion of ozone layer. Mention any two harmful effects of depletion in this layer.
10. Read the paragraph and answer the following questions :
- Firstly, the flow of energy is unidirectional. The energy that is captured by the autotrophs does not revert back to the solar input and the energy which passes in the herbivores does not come back to autotrophs. As it moves progressively through the various trophic levels it is no longer available to the previous level. Secondly the energy available at each trophic level gets diminished progressively due to loss of energy at each level.
- "Energy flow is unidirectional" What does it mean?
 - In an ecosystem the organisms are 'algae, fish, crane'. At which level you place the crane?

SECTION - III

Note : 1) Answer all the Questions

5x4=20 Marks

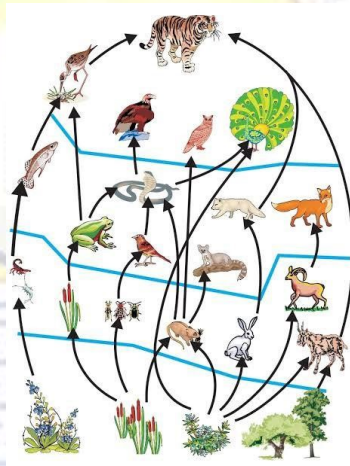
2) Each Question carries 4 Marks.

- Explain the ways in which glucose is broken down in the absence or storage of oxygen.
- Draw a neat labelled diagram of the longitudinal section of flower.

(Or)

Draw a neat labelled diagram of sectional view of human heart and label it.

- Observe the following diagram and answer the following



- Name the primary producers in the given food web.
 - Prepare any one food chain from the diagram.
 - What are the tertiary consumers?
 - Write names of any two herbivores.
- List out four categories of contraceptive methods state in brief two advantages of adopting such preventive methods.
 - Compare and contrast nerve and hormonal mechanism for control and coordination in animals.

SECTION - IV

Note : 1) Answer all the Questions

2x8=16 Marks

2) Each Question carries 8 Marks.

- Prove that leaves send their excess water through transpiration.

(Or)

How can you prove that chloroplast are necessary for photosynthesis.

- Compare asexual and sexual modes of reproduction with examples.

(Or)

How do Mendel's experiment show that traits may be dominant or recessive.