

MS JUNIOR COLLEGE  
Hyderabad

GUESS PAPER - 1  
INTERMEDIATE 1<sup>st</sup> YEAR  
BOTANY - I

Time: 3hours

Max.Marks:60

**INSTRUCTIONS:**

1. Q.Nos: 1 - 10 are Very Short Answer Type. Answer them in about 30 words each. Each question carries 2 marks.
2. Q. Nos: 11 - 18 are Short Answer Type. Answer them in 75 - 100 words each. Each question carries 4 marks.
3. Q.Nos: 19 - 21 are Long Answer Type. Answer them in about 300 words each. Each question carries 8 marks.

**I. Very Short Type Questions: Answer ALL.**

[10 x 2 = 20]

1. What is meant by manuals and monographs?
2. What do the terms algal bloom and red tides signify.
3. Mention the fern characters found in cycas.
4. Which organ is modified to trap insects in Insectivorous plants? Give two examples.
5. Write the floral formula of Solanum plant.
6. What is middle lamella made of? What is its functional significance?
7. What are primary and secondary metabolites? Give examples.
8. At what stage of cell cycle does DNA synthesis occurs.
9. Which type of fruit found in Mango? How does it differ from that of Coconut.
10. Hydrophytes show reduced xylem. Why?

**II. Short Type Questions: Answer any SIX.**

[6 x 4 = 24]

11. Difference between red algae and brown algae.
12. Give economic importance of plants belonging to Fabaceae
13. Describe the structure and functions of power house of cell.
14. What are the characteristic features of Euglenoids?
15. "Fertilization is not an obligatory event for fruit production in certain plants". Explain the statement.
16. Which division is necessary to maintain constant chromosome number in all the body cells of multicellular organism and why?
17. State the location and function of different types of meristems.
18. List out the anatomical adaptations of hydrophytes.

**III. Essay Type Questions. Answer any Two:**

[2 x 8 = 16]

19. Explain different types of racemose inflorescences.
20. Write notes on Agents of pollination.
21. Describe the T.S.of a monocot root.

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