

# BOTANY



## INTERMEDIATE BIPC 1<sup>st</sup> YEAR

### LONG ANSWER QUESTIONS [LAQ'S]



1Q. Draw a neat labelled diagram of the parts of a mature angiosperm Embryosac. mention the role of Synergids?

2Q. Describe the T.S. of a dicot stem?



3Q. Define root modification -? explain how root is modified to perform different function -?

4Q. Draw the diagram of a microsporangium and label its wall layers? write briefly about wall layers?

### SHORT ANSWER QUESTIONS [SAQ'S]



1Q. Give a brief account of Dinoflagellates?



2Q. Give a brief account of Dinoflagellates -

3Q. What is heterospory -? Briefly comment on its significance -? Give two examples -?

4Q. Write a brief account on classification of hydrophytes and xerophytes

5Q. Describe the structure of nucleus -

6Q. Give a brief account of prothallus

7Q. Difference between red algae and brown algae.

8Q. Discuss the various types of pollen tube entry into ovary with the help of diagram

9Q. Describe the essential organs of Solanaceae -

10Q. Nucleic acid exhibits secondary structure justify with example

11Q. Though redundantly described as a resting phase, interphase does not really involve "rest" Comment

12Q. List out the morphological and anatomical adaptation of xerophytes and hydrophytes

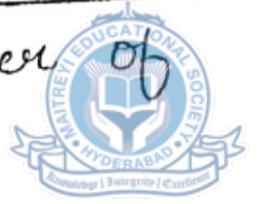
## VERY SHORT-ANSWER QUESTIONS [VSAQs]



- 1Q. What does ICBN stands for?
- 2Q. Name two disease cause by mycoplasmas?
- 3Q. What is palaeobotany? What is its use
- 4Q. What is meant by epipetalous conditions? Give an example
- 5Q. What is geocarpy? Name the plant which exhibit this phenomenon?
- 6Q. If a tissue has at a given time  $1024$  cells How many cycles of mitosis had the original, parental single cell undergone?
- 7Q. An other has  $1200$  pollen grain How many pollen mother cell must been their to produce them.
- 8Q. Hydrophytes show reduced xylem why?



- 9Q. How are viroids differ from viruses?
- 10Q. What is morphology of cup like structure in Cyathium? In which family it is found
- 11Q. Write the floral formula of Solanum plant



- 12Q Give the technical description of another of *Allium cepa*?
- 13Q What does 'S' refers in 70S and 80S Ribosomes?
- 14Q What is the function of polysome?
- 15Q What is referred to as satellite chromosome?
- 16Q What is middle lamella made of?
- 17Q Give one example of each of. amino acids, sugar, nucleotides and fatty acid
- 18Q At what age of cell cycle. does DNA Synthesis occur?
- 19Q Define population and community?