BOTANY M.Sc. I Semester ATKT

Open Book System Exam. December - 2020

Paper - I → Biology & Diversity of Virus, Bacteria, Fungi.

Max. Marks : 85 Min. Marks : 31

Note :- Attempt all questions are compulsory

Q.1 Describe the isolation and purification of viruses

Q.2. Describe the characteristics, structure and economic importance of cynobacteria.

Q.3. Describe the classification of fungi with their characteristics in each class.

Q.4. Write notes on general characteristics. Structure and importance of mycoplasma.

Q.5. Describe the general characteristics and reproduction of Deuteromycetes.

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Open Book System Exam. December-2020

Saijia Science college Bhopal

Paper – II : Biology & Diversity of Algae

Max. Marks: 85 Min Marks: 31

Note :– Attempt all questions are compulsary

Q.1. Explain the life cycle of Hydrodictyon.

Q.2. Describe the general characters of bacilariophyceaes along with their economic importance.

Q.3. Explain the post fertilization changes in polysiphonia.

Q.4. Describe the Reproduction in Sangassum.

Q.5. Describe the lif cycle of euglena.

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Paper - III (Biology & Diversity of Bryophytes and Pteridophyta)

Max. Marks: 85 Min Marks: 31

Note:— All the questions are compulsary.

Q.1 Discuss the classification of Bryophytes with examples.

Q.2. Write general characters of polytrichum.

Q.3 Describe the geological time scale and its significance.

Q.4. Explain psilotum with diagram.

Q.5 Give an account of life cycle of marsilea.

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Paper - IV : (Biology & Diversity of Gymnosperm)

Max. Marks: 85 Min Marks: 31

Note :- Attempt all questions are compulsary.

Q. 1. Classify gymnosperm through aflow diagram.

Q. 2. Explain taxonomy of pteridospermales.

Q 3. Describe cycas in detail with diagrams.

Q. 4. Introduce araucaria with its distribution.

Q. 5 Discuss the development of sex organs and in fertilization welwitschia.