

- **METHODS OF TEACHING MATHEMATICS**

(QUESTIONS TO PREPARE)

1. **What is Inductive-Deductive Method? Explain the Relative Importance of the Inductive and Deductive Method of Teaching Mathematics?**
2. **What do you understand by the analytic-synthetic method? How will you make their use for the Teaching of mathematics?**
3. **What do you understand by laboratory method of teaching mathematics? Illustrate with example.**
4. **Discuss heuristic method of teaching of mathematics? Illustrate its application by giving suitable examples.**
5. **Explain project method of teaching mathematics with suitable examples?**
6. **What is problem solving method, discuss its various steps along with its merits and demerits in the teaching of mathematics?**

- **CURRICULUM CONSTRUCTION**

(QUESTIONS TO PREPARE)

1. **Define the term curriculum and bring out the meaning that can be attached to the term “Curriculum of mathematics”**
2. **What are the general principles of organizing the curriculum of mathematics? Discuss.**
3. **What procedure would you bear in mind while developing a curriculum of mathematics as a member of the curriculum committee? Discuss.**
4. **Differentiate between Curriculum and Syllabus?**