

Mathematics

Two Marks

1. List out social aims of teaching Mathematics.
2. How do micro teachings differ from Macro teaching?
3. Why do we have recycling process in Micro teaching?
4. What is diagnostic test?
5. Define group in Algebra.
6. What is an inductive method?
7. Find out Median for the following data.
6,9,3,4,10,5
8. List out the advantages of a unit plan
9. What is 'ABL'?
10. What do the equation of circle whose radius 5 and centre lies on(5,6)
11. Mention any four uses of audio visual aids.
12. List the objectives of affective domain.
13. Write Herbarian steps in lesson plan
14. Mention the measures of central tendency
15. If $n=10$ and $r=99$ Calculate rank correlation co-efficient.
16. Write any two objectives of mathematics club.
17. What is buzzy session?
18. What are the uses of Mathematics library
19. List out any four GIO's teaching Geometry in Mathematics.

20. Explain the Micro-teaching cycle.
21. what is the importance of Evaluation?
22. What is meant by supervised study?
23. What are the different types of board?
24. Write uses of lesson plan?
25. What is meant by enrichment programmes for the gifted?

Five Marks

26. Distinguish between general instructional objectives and specific learning outcomes.
27. Write the different types of Audio Visual aids and explain it.
28. List down the advantages of buzzy session in your mathematics class.
29. Explain the components of lesson plan?
30. Explain the characteristic of good achievement list.
31. Bring out the need for micro teaching session in college of education?
32. Explain Mathematic club and Mathematic lab.
33. Explain how unit plan is different from lesson plan.
34. Calculate the mean and median for the following data.

C I	0-5	5-10	10-15	15-20	20-25	25-30	30-35
F	3	21	68	30	10	6	2

35. Who should prepare lesson plan? Why.
36. How would you identify the gifted learners of your class?

37. Describe inductive and Deductive methods of teaching mathematics citing examples.
38. Write a short note on non-projected aids and their uses.
39. Explain the advantages of analytic method of teaching.
40. How do you introduce the concept of sets to fresh students?

Ten Marks

41. Explain the steps involved in constructing an achievement test.
42. Explain the uses of various measures of central tendency and measures of dispersion.
43. Explain the aim and objectives of teaching mathematics with suitable examples.
44. Describe the components of a lesson plan. Write a lesson plan on any topic of your choice from Std IX maths.
45. Why do students face difficulties while learning mathematics? How will you help them to overcome those difficulties.
46. How do you identify slow learners in a mathematics class? Suggest appropriate remedies for the problems faced by slow learners in learning mathematics.
47. List out the projected aids and non projected aids. Explain any two of each type of aids.
48. What are the characteristics of a good achievement test? Explain the steps involved in the construction of achievement test in mathematics.
49. What are the functions of a good mathematics library?
50. Give the activities and advantages of constructing a math's club.