

School of Education

Education
ETE - Jun 2023

Time : 3 Hours

Marks : 100

Sem II - F1UA211T - Professional Development of Mathematics Teacher

Your answer should be specific to the question asked

Draw neat labeled diagrams wherever necessary

1. Discuss the objectives of co-curricular activities. Explain the procedure to organize a mathematics club in your school. K2 CO3 (5)
2. Write any five differences between the unit plan and the lesson plan. K2 CO1 (5)
3. Differentiate between student-centric and teacher-centric methods. K2 CO2 (5)
4. Prepare five objective type test items for class VI on any topic of mathematics along with their answer key. Outline the benefits of the objective type test items. K2 CO4 (10)
5. Describe the merits and demerits of a diagnostic test. Give your suggestions to improve the diagnostic test. K4 CO5 (10)
6. Elaborate the concept of assignment in the teaching of mathematics. Prepare a list of suggestions to make it more effective. K3 CO2 (10)

OR

- Appraise collaborative learning by enlisting its benefits in teaching mathematics. Highlight its use with a suitable example. K3 CO2 (10)
7. Describe the attributes of a lifelong learner in mathematics. K4 CO1 (10)
 8. List the formal steps involved in Herbartian lesson planning. Describe the importance of every step with the help of suitable examples also establish the relationship among all steps. K5 CO4 (15)
 9. Highlight the advantages and limitations of the laboratory method in the teaching of mathematics. For its effective usage suggest a suitable process to the teachers. K5 CO5 (15)

OR

- Explain the meaning of heuristic. Discuss the merits and demerits of the heuristic method. List some topics which you could teach using this method. K5 CO5 (15)
10. "A teaching aid, however good it may be, cannot replace a teacher". Explain this statement in reference to the new available technology in teaching. K3 CO3 (15)