



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test I - February 2025

Class : I B.Ed.

II Semester

Max. Marks: 60

Major: Education & Spl.Edn.

Time: 2 Hrs.

**23BEDM12/23BDSM12- School subject 1: Methods and Techniques of Teaching
Mathematics Education**

Course Outcomes:

CO1: apply the micro teaching skills in teaching mathematics

CO2: investigate the distinctive characteristics of various instructional methods suitable for teaching mathematics

CO3: apply appropriate techniques and methods for teaching varied context and content in mathematics

Part A

6 X 1 = 6

Choose the Correct Answer

1. Micro teaching focuses on increasing competency of a teacher in his/her CO1K2
 - a. Method of teaching
 - b. Teaching skills
 - c. Contextual knowledge
 - d. Ability in questioning
2. The number of students in micro teaching is CO1K2
 - a. 6-10
 - b. 1-10
 - c. 10-15
 - d. 10-20
3. A tool in the hands of a teacher and involves teachers encouraging students' responses using verbal and non-verbal cues is skill of CO1K2
 - a. Probing questions
 - b. reacting
 - c. Stimulus variation
 - d. reinforcement
4. Which of the following method is economical and time saving method CO2K2
 - a. Project method
 - b. Demonstration method
 - c. Problem solving method
 - d. Lecture method
5. The founder of Heuristic method of teaching is CO2K1
 - a. Herbert
 - b. H.E.Armstrong
 - c. Bellard
 - d. Stevenson
6. A component of stimulus variation is CO2K2
 - a. Focusing
 - b. Directing
 - c. Increasing critical awareness
 - d. Change in speech pattern

Part B

3 x 6 = 18

Answer ALL questions

Each answer should not exceed 400 words or two pages

7. a. Explain the need and importance of micro teaching skills for student teachers. CO1K2
- (or)
7. b. Define micro teaching. Explain micro teaching cycle CO1K2
8. a. Describe the various components of skill of stimulus variation. CO1K4
- (or)
8. b. . Describe the various components of the skill of reacting CO1K4
9. a. Explain the lecture demonstration method with merits and demerits CO2K3
- (or)
9. b. Distinguish between student centered and teacher centered method of teaching mathematics-any six CO2K4

Part C

3 x 12 = 36

Answer ALL questions

Each answer should not exceed 800 words or four pages

10. a. Explain the various phases of micro teaching and the general procedure for conducting micro teaching. CO1K2
(or)
10. b. Explain the characteristic features of micro teaching. Explain the principles of micro teaching CO1K2
11. a. Describe the lecture method of teaching mathematics with merits and demerits CO2K3
(or)
11. b. Define a problem. Explain the steps involved in problem solving method of teaching mathematics CO2K4
12. a. Enumerate the relative importance of Heuristic method of teaching mathematics with merits and demerits. CO2K4
(or)
12. b. What is a project method? Discuss its various steps along with its merits and demerits in the teaching of mathematics CO2K3

Staff Incharge: Mrs. S. S. Manimozhi & Mrs. S. Andal

No. of copies: B.Ed : 15+ Spl Edn.: 15 = 30