



K. Sambath

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 [now MoE]
Re-accredited with an 'A++' Grade by NAAC CGPA 3.65/4, Category I by UGC
Coimbatore - 641 043, Tamil Nadu, India
Continuous Internal Assessment Test II – March 2026

IV SEMESTER

Class : : II B.Ed.

Time: 2 Hours

Major: Education & Spl. Edn

Maximum Marks: 60

23BEDM14/23BDSM14 School Subject 1 Professionalising Mathematics Education

Course outcomes:

At the end of the course, students will:

- 4 explain the types of research and develop research attitude among students.
- 5 organize co-curricular activities in mathematics.

PART – A

Choose the correct answer

6 x 1 = 6

1. Research is best defined as CO4 K1
 - a. Teaching in classroom
 - b. Writing assignments
 - c. Conducting examinations
 - d. A systematic investigation to find answers
2. A hypothesis is CO4 K1
 - a. A proven fact
 - b. A tentative statement to be tested
 - c. A research report
 - d. A type of variable
3. Action research is mainly conducted to CO4 K1
 - a. Develop new theories
 - b. Solve immediate classroom problems
 - c. Publish books
 - d. Compare two or more classroom problems
4. Excursions develops the qualities like CO5 K1
 - a. Leadership
 - b. observation
 - c. participation
 - d. enjoyment
5. Field trip helps the children to _____ CO5 K1
 - a. enjoy
 - b. hands on experience
 - c. avail their time
 - d. travel
6. Club activities in mathematics CO5 K1
 - a. develops creativity in children
 - b. makes use of the leisure time of children
 - c. makes children happy
 - d. enriches mathematics knowledge in children

PART – B

Answer ALL questions

3 x 6 = 18

Each answer should not exceed 400 words or Two Pages

7. a. Explain the characteristics of a good researcher. CO4 K2
(or)
7. b. Give any six differences between pure and applied research. CO4 K2
8. a. What are the educational benefits of field trips? CO5 K2
(or)
8. b. Explain the educational value of school fairs and exhibitions with suitable example. CO5 K2
9. a. Write any 3 puzzles and 3 riddles with answer. CO5 K3
(or)
9. b. Bring out the need and importance of a mathematics club? (any six for each). CO5 K3

PART – C

Answer ALL questions

3 x 12 = 36

Each answer should not exceed 800 words or Four Pages

10. a. Describe various types of research in education. CO4 K3
(or)
10. b. Explain the need for research in mathematics? Highlight the need and importance. CO4 K3

11. a. Define a Hypothesis. Explain how you frame a hypothesis. Also explain the type of hypothesis. CO4 K3
- (or)
11. b. Define a variable. Explain the different type of variable with examples. CO4 K3
12. a. Highlight the co curricular activities (any 3) for Mathematics and mention the merits and limitations of it. CO5 K2
- (or)
12. b. How do you create interest in mathematics for your students? Suggest the ways with justification. CO5 K2

No. of Copies: B.Ed: 17 + Spl Edn.: 15 = 32

Staff in-charge: Mrs. S.S.Manimozhi & Mrs. S.Andal