

**Avinashilingam Institute for Home Science And Higher Education for Women  
Coimbatore – 641 043.**

**Continuous Internal Assessment Test II - April 2021  
SEMESTER IV**

Class : II B.Ed. / II B.Ed.Spl.Ed.

Time: 2 Hrs.  
Max. Marks: 30

**18BEDM14/18BDSM14 - School subject 1- Professionalising Mathematics Education**

**Course Outcomes:**

- CO4: explain the types of research  
CO5: develop research attitude among students  
CO6: organize co-curricular activities in mathematics

**PART – A**

6 x 1 = 6

**Answer all questions  
(Multiple choice questions)**

1. The main purpose of research in education is to \_\_\_\_\_ CO4 K2  
a. Help in the personal growth of an individual  
b. Help the candidate become an eminent educationist  
c. Increase job prospects of an individual  
d. Increase social status of an individual
2. The variables manipulated by the researcher are called \_\_\_\_\_ CO4 K1  
variables.  
a. moderator    b. independent    c. extraneous    d. dependent
3. The research which is aimed at formulating theories and laws CO4 K1  
is \_\_\_\_\_ research  
a. applied    b. pure    c. action    d. historical
4. Excursions develops the qualities like CO6 K2  
a. Leadership    b. Self confidence    c. Co-operation    d. All the above
5. Field trip helps the children to \_\_\_\_\_ CO6 K2  
a. See new things    b. Exchange ideas  
c. Get varied experience    d. All the above
6. Club activities in mathematics CO6 K2  
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**

2 x 6 = 12

**Answer any two questions  
(2 out of 4 Questions)**

**Answer should not exceed 400 words**

7. Explain the characteristics of a good researcher. CO4 K2
8. Give any five differences between pure and applied research. CO4 K3
9. Write any 3 puzzle and riddle with answer. CO5 K3
10. Bring out the need and importance of a mathematics club? CO6 K3

**PART – C**

1 x 12 = 12

**Answer any one question  
(1 out of 2 Questions)**

**Answer should not exceed 800 words**

11. Define Research. Write the steps in action research. Mention the use and CO4 K2  
advantages of action research with an example.
12. Highlight the co curricular activities (any 3) for Mathematics and mention CO6 K3  
the merits and limitations of it.

