



Manimozhi

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 II – April 2024
SEMESTER IV

Class : II B.Ed
Major: Mathematics & English, Spl.Edn & Mathematics

Time: 2 Hrs
Max. Marks: 60

School subject 1- 22BEDM14/22BDSM14-Professionalising Mathematics Education

Course outcomes

At the end of the course, students will:

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

PART – A

Choose the correct answer

6 x 1 = 6

1. The variables which does not depend on others is called _____ variable
a. moderator b. independent c. extraneous d. dependent CO4 K1
2. The knowledge gained when transferred in a new situation is _____
research
a. applied b. pure c. action d. historical CO 4K1
3. The main purpose of research in education is to _____
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 CO4 K2
4. Club activities in mathematics
a. develops creativity in children b. makes use of the leisure time of children
c. makes children happy d. enriches mathematics knowledge in children CO5 K2
5. Excursions develops the qualities like
a. Leadership b. observation c. participation d. enjoyment CO5 K2
6. Field trip helps the children to _____
a. enjoy b. hands on experience
c. avail their time d. travel CO5 K2

PART – B

Answer ALL questions

3 x 6 = 18

Each answer should not exceed 400 words or two pages

7. a. Give any six difference between action and applied research
(OR) CO4 K3
7. b. Give any six difference between pure and action research. CO4 K2
8. a. Explain the type of variables
(OR) CO4 K2
8. b. Explain the characteristics of a good researcher (any six) CO 4K2
9. a. Write any 3 puzzles and 3 riddles with answer.
(OR) CO5 K3
9. b. Bring out the need and importance of a mathematics club? CO5 K3

PART – C

Answer ALL questions

3 x 12 = 36

Each answer should not exceed 800 words or four pages

10. a. Define Research. Write the steps in action research. Mention the use and advantages of action research with an example
(OR) CO 4K2
10. b. Define Hypothesis. Explain the different types of hypothesis and formulate a hypothesis to each of these types? CO4 K3
11. a. Highlight the co-curricular activities (any 3) for Mathematics and mention the merits and limitations of it.
(OR) CO 5K3
11. b. How do you create interest in mathematics for your students? Suggest the ways with justification. CO5 K3
12. a. Write a proposal in mathematics, when the students were facing difficulties in mathematics in your class during your internship. (Causes and Remedy)
(OR) CO5 K3
12. b. How do you organize a mathematics club? Suggest activities that you would recommend for a mathematics club. CO5 K3

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Staff in-charge: Mrs.S.S.Manimozhi & Mrs.s.Lavanya