



Mauney

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 - December 2021 I Semester

Class : I B.Ed. (General and Special Education)

Time : 2 Hrs.

Max. Marks : 60

21BEDM11/21BDSM11 Introduction to Mathematics Education

Course Outcomes:

CO1:describe the nature and scope of mathematics

CO2:know how mathematics is correlated with other subjects

CO3:list the aims and objectives of teaching mathematics at various levels

CO4:realize the importance of history of mathematics

CO5:understand and appreciate the contributions of Mathematicians

CO6:acquire the qualities of a mathematics teacher

Part – A

6 x 1 = 6

Choose the Correct Answer

1. "Mathematics is the way to settle in the mind a habit of reasoning". This statement was said by
a. Locke
b. C.F. Gauss
c. Benjamin Peirce
d. Bacon
CO1 K1
2. To provide the basis of mathematical skills and processes which will be needed for vocational purposes
a. Practical aim
b. Social aim
c. Disciplinary aim
d. Cultural aim
CO1 K2
3. The lowest level of affective domain is
a. Receiving
b. Responding
c. Valuing
d. Organising
CO3 K2
4. To the student of Mathematics, the various application of mathematics like Geometry, Algebra and Statistics is an example of correlation of mathematics
a. With different branches of mathematics
b. Within the same branch
c. With other subjects
d. With other aspects of life
CO2 K2
5. A good objective should be
a. Specific, observable and measurable
b. General and specific
c. General and observable
d. Long and immeasurable
CO3 K2
6. The primary importance for determining the aims of education should be in favour of
a. Pupils
b. Teachers
c. school
d. society
CO3 K2

Part – B
Answer ALL questions
Answer should not exceed 400 words or two pages

3 x 6 = 18

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|------|--|-----|----|
| 7.a | Explain the importance of symbols in Mathematics. | CO1 | K2 |
| | (or) | | |
| 7.b. | Give the meaning and importance of Mathematics. | CO1 | K2 |
| 8.a. | Discuss the need and importance of correlation. | CO2 | K2 |
| | (or) | | |
| 8.b. | Enumerate the various types of correlation in Mathematics. | CO2 | K2 |
| 9.a. | List any six aims and objectives of teaching Mathematics at Primary level. | CO3 | K2 |
| | (or) | | |
| 9.b. | Describe the Bloom's taxonomy of Educational objectives of Psychomotor domain. | CO3 | K2 |

Part – C
Answer ALL questions
Answer should not exceed 800 words or four pages

3 x 12 = 36

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|-------|--|-----|----|
| 10.a. | Describe the nature of Mathematics with examples. | CO1 | K2 |
| | (or) | | |
| 10.b. | Explain the scope of teaching Mathematics. | CO1 | K2 |
| 11.a. | Bring out the correlation of Mathematics with other subjects of study with examples. | CO2 | K2 |
| | (or) | | |
| 11.b. | Bring out the correlation of Mathematics with other aspects of life. | CO2 | K3 |
| 12.a. | Describe the Bloom's taxonomy of Educational objectives of Cognitive domain. | CO3 | K2 |
| | (or) | | |
| 12.b. | Explain the objectives of teaching Mathematics at Secondary level. | CO3 | K2 |

Staff incharge : Mrs. S.S. Manimozhi and Mrs.S.Andal