

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

**Continuous Internal Assessment Test II - June 2021
SEMESTER II**

Class : I B.Ed./ I B.Ed.Spl.Ed.

Time: 2 Hrs.
Max. Marks: 30

18BEDM12 /18BDSM12 School Subject I: Methods and Techniques of Teaching Mathematics

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

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

1. The plan that contains all academic and co-curricular activities to be taken in the specified academic year is CO4 K2
a. Lesson plan b. Unit plan c. Term plan d. Yearly plan
2. A methodology where children of different ages are grouped together in one class and learn at their own pace through teacher-facilitated exercises. CO6 K2
a. ALM b. AALM c. ABL d. PSI
3. The mode of CAI in which pupil faces scaled down approximation of a real life situations without any risk is CO6 K1
a. Drill and practice b. Tutorial mode c. Gaming mode d. Simulation mode
4. Proctors and study guide are used in CO6 K2
a. CAI b. PSI c. ABL d. ALM
5. A straight line programme in which learner's responses are controlled externally by the programmer is. CO6 K2
a. Linear programmed Instruction b. Branched Programmed Instruction
c. Mathematics d. Computer Assisted Instruction
6. The originator of the concept of Branched programmed instruction is CO6 K2
a. Sydney L. Pressey b Skinner c. Thomas F. Gilbert d. Norman A.Crowder

PART – B

2 x 6= 12

Answer any two questions

(2 out of 4 Questions)

Answer should not exceed 400 words

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| 7. Enumerate the essential characteristic features of a good lesson plan. | CO4 | K2 |
| 8. What is a unit plan? Explain the steps involved in writing a unit plan. | CO4 | K2 |
| 9. Differentiate between ABL and ALM method of learning Mathematics. | CO2 | K2 |
| 10. Explain PSI with its features, merits and demerits | CO6 | K4 |

PART – C

1 x 12 = 12

Answer any one question

(1 out of 2 Questions)

Answer should not exceed 800 words

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| 11. Define a lesson plan and explain its various components, Explain Herbertian's steps of writing a lesson plan, | CO4 | K4 |
| 12. Define Programmed Instruction with its principles. Explain the different types of Programmed Instruction with an example. | CO6 | K4 |
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