

**Avinashilingam Institute for Home Science and Higher Education for Women**  
(Deemed to be University) Coimbatore – 641 043

Bachelor of Education Degree Examination – November 2018  
III Semester

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

Time: 3 Hrs  
Max. Marks: 100

**17BEDM13/17BDSM13 School Subject I : Curriculum and Resources in Mathematics Education**

**Part – A** **10 X 1 = 10**  
**Choose the Correct Answer**

- The use of textbook in the classroom is
  - to achieve learning objectives
  - to delimit what is to be taught
  - to explain new ideas and concepts
  - set new standards
- According to Dales Cone of Experience, the least effective method will be at the
  - top
  - bottom
  - left
  - right
- The correct teaching aid for visual aid is
  - gramophone
  - actual objects
  - television
  - film projector
- CAI stands for
  - Computer Assisted Instruction
  - Computer Assisted Information
  - Computer Activated Instruction
  - Common Assisted Instruction
- Field trip is
  - to make enjoyment
  - wasting of money and time
  - to enrich learning experiences
  - both a and b
- Mathematics laboratory is
  - create disinterest in learning
  - inculcate scientific and problem solving aptitude
  - not necessary for mathematics learning
  - wasting of time
- World Maths day is celebrated on
  - March 1
  - May 1
  - June 1
  - July 1
- CCE stands for
  - Cluster and Continuous End
  - Continuous and Common Evaluation
  - Continuous and Comprehensive Evaluation
  - Choice and Credit Evaluation
- Test to measure learning outcome of students is
  - Achievement test
  - Aptitude test
  - Criterion referenced test
  - Norm referenced test
- Which is not the type of teleconferencing?
  - Audio teleconferencing
  - Video teleconferencing
  - T.V teleconferencing
  - Computer teleconferencing

**Answer the following questions****Answer should not exceed 400 words or two pages**

11. a. Enumerate the essential qualities of a good textbook in Mathematics.  
(or)
11. b. How can library be effectively used in learning mathematics ?
12. a. How will you organize mathematics laboratory ?  
(or)
12. b. Differentiate topical and spiral approach in curriculum organization.
13. a. Why should mathematics curriculum be child centered ?  
(or)
13. b. Prepare any four different types of objective type questions.
14. a. How will you construct a diagnostic test ?  
(or)
14. b. Give few examples for improvised teaching aids.
15. a. Mention the teaching aids that you will use while deriving the formula for the area of a circular ring.  
(or)
15. b. Briefly outline the technological aids that can be used in a classroom.

**Part – C****5 X 12 = 60****Answer the following questions****Answer should not exceed 800 words or four pages**

16. a. Discuss on the inclusion of mathematics in the school curriculum as an optional subject or compulsory subject.  
(or)
16. b. Prepare a blue print for an achievement test in mathematics.
17. a. How will you establish a Mathematics Club in a secondary school level ? State its importance.  
(or)
17. b. Bring out the various types of text books with examples.
18. a. State the pre-requisites for a good test.  
(or)
18. b. List out the importance of CCE.
19. a. What are the uses of mass media in teaching mathematics ? How it improves their learning ?  
(or)
19. b. Explain the steps involved in the construction of achievement test.
20. a. Elaborate the Edger Dale's Cone of experience.  
(or)
20. b. Explain the characteristics and principles of curriculum construction.

\*\*\*\*\*