



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category A by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with A+ Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Bachelor of Education Degree Examination - November 2019
III Semester

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

Time: 3 Hours
Max. Marks: 100

**18BEDM13 / 18BDSM13 School Subject I: Curriculum and Resources
in Mathematics Education**

Course Outcomes:

- CO1: understand the principles in curriculum development
- CO2: choose suitable resources for enhancing learning
- CO3: organize co-curricular activities related to mathematics
- CO4: collect books for enriching a mathematics library
- CO5: construct tests to measure the achievement test in mathematics
- CO6: judge the quality of a test

Part A

10 x 1=10

Choose the Correct Answer

1. Interest can be created in students in specific topics of study be the use of
a. Chalk board
b. Flannel Board
c. Bulletin board
d. All of above
CO1 K1
2. The most direct experience from the following is that of
a. Motion pictures
b. Field trip
c. Visual symbol
d. Demonstration
CO1 K2
3. Most important work of teacher is to
a. organize teaching work
b. deliver lecture in class
c. take care of children
d. evaluate the students
CO2 K2
4. CAI stands for
a. Computer Assisted Instruction
b. Computer Assisted Information
c. Computer Activated Instruction
d. Common Assisted Instruction
CO2 K1
5. To maintain interest among students in class, a teacher should
a. use blackboard
b. discuss
c. ask question
d. tell stories
CO3 K2
6. Establishing Mathematics laboratory is
a. to create disinterest in learning
b. to inculcate scientific and problem solving aptitude
c. not necessary for mathematics
d. wasting of time learning
CO1 K2
7. What is true about Mathematics Text Book?
a. Our teachers take textbook as curriculum
b. There is no difference between textbook and curriculum
c. Our teacher do not take textbook as a part curriculum
d. Textbook does not help in the selection of instructional activities
CO3 K2

8. CCE stands for
- a. Cluster and Continuous End
 - b. Continuous and Common Evaluation
 - c. Continuous and Comprehensive Evaluation
 - d. Choice and Credit Evaluation

CO2 K1

9. The best remedy of the student's problems related with learning is
- a. Diagnostic teaching
 - b. Suggestion for hard work
 - c. Supervised study in Library
 - d. Suggestion for private tuition

CO3 K2

10. Which is not the type of teleconferencing?
- a. Audio teleconferencing
 - b. Video teleconferencing
 - c. T. V teleconferencing
 - d. Computer teleconferencing

CO6 K2

Part B 5 X 6 = 30

Answer the following questions

Answer should not exceed 400 words or two pages

- 11.a. State the specific uses of mathematics text book and work book. CO1 K1
(or)
- 11.b. List out the characteristics of a good curriculum. CO1 K1
- 12.a. List some of the equipment to be placed in mathematics laboratory. CO2 K2
(or)
- 12.b. Differentiate between spiral and concentric curriculum. CO2 K2
- 13.a. Give some examples for low cost improvised teaching aids. CO3 K3
(or)
- 13.b. How IT can be integrated in teaching mathematics? CO3 K4
- 14.a. Explain the construction of a diagnostic test. CO5 K4
(or)
- 14.b. Write short notes on slides and filmstrips. CO3 K2
- 15.a. Bring out the importance of library. CO5 K2
(or)
- 15.b. Briefly outline the technological aids that can be used in a classroom. CO4 K3

Part C 5 X 12 = 60

Answer the following questions

Answer should not exceed 800 words or four pages

- 16.a. Analyse the organization of curriculum. CO1 K3
(or)
- 16.b. Prepare a blue print for an achievement test in mathematics. CO6 K5
- 17.a. Explain the role of models in teaching mathematics with example. CO3 K3
(or)
- 17.b. Bring out the various types of books with examples. CO3 K2
- 18.a. Explain the qualities of a good test. CO6 K2
(or)
- 18.b. List out the importance of CCE. CO4 K2
- 19.a. What is the use of mass media in teaching mathematics? CO4 K2
(or)
- 19.b. Explain the steps involved in the construction of achievement test. CO6 K3
- 20.a. Bring out the significance of audio-visual aids in the Maths classroom with examples. CO4 K3
(or)
- 20.b. Explain the principles of curriculum construction. CO1 K4
