



**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/ B. Ed. Special Education (VI/II) Degree Examination – January 2021  
III Semester

Class: II B.Ed. / II B.Ed. Special Education (VI/II)

Time : 3 Hours

Max. Marks : 100

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

**Part A**

**10 x 1 = 10**

**Choose the Correct Answer**

1. A major fault of laboratory method is
  - a. it does not emphasis students prepare as a scientist
  - b. it imagines a student as a tiny scientist
  - c. it exploits students mentality
  - d. not suitable for learning abstract ideas in mathematics
2. An example for self-learning material is \_\_\_\_\_ book.
  - a. Text
  - b. Reference
  - c. Hand
  - d. Work
3. The qualitative judgement about teaching learning process can take place through
  - a. interpretation
  - b. evaluation
  - c. description
  - d. measurement
4. CCE helps the teacher to
  - a. find out the need, learning style and personality development of every learner
  - b. enhance the effectiveness of the teaching learning process
  - c. involve the learner in the process through peer and self assessment
  - d. all the above
5. The primary function of mathematics laboratory is to
  - a. make mathematics learning interesting
  - b. concretise abstract ideas
  - c. appreciate the applicability of the subject hand book
  - d. all the above
6. Remedial teaching is made after analyzing the difficulties identified through \_\_\_\_\_ test.
  - a. achievement
  - b. prognostic
  - c. diagnostics
  - d. short
7. The assessment which focuses on the participants development at a particular time is \_\_\_\_\_ evaluation.
  - a. formative
  - b. process
  - c. product
  - d. summative
8. The teaching aid clinometer is used in
  - a. arithmetic
  - b. geometry
  - c. algebra
  - d. trigonometry
9. Which is the most useful text book of mathematics?
  - a. There are many solved examples and some questions of exercise
  - b. There are sufficient illustrations and more questions for exercise
  - c. All the exercise questions are solved
  - d. All the above
10. The organization of content in text book of mathematics should be according to the
  - a. teacher
  - b. curriculum
  - c. students
  - d. none of the above

**Part B**

**5 x 6 = 30**

**Answer ALL questions**

**Each answer should not exceed 400 words or two pages**

- 11.a. Differentiate between topical and spiral approach in curriculum organization.  
(or)
- 11.b. What is meant by psychological and logical arrangements in organizing a mathematics curriculum?
- 12.a. What are the characteristics of a good text book in mathematics?  
(or)
- 12.b. Briefly explain the changing role and competencies of teacher in technology enhanced learning.
- 13.a. List out the equipments to be kept in mathematics laboratory.  
(or)
13. b. What factors would you consider while selecting learning resources for teaching mathematics?
- 14.a. State the advantages and disadvantages of text books.  
(or)
- 14.b. Discuss the importance of e-books in mathematics.
- 15.a. Explain the ' CCE' .  
(or)
- 15.b. What is remedial teaching? What are the steps to be followed in remedial teaching?

**Part C**

**5 x 12 = 60**

**Answer ALL questions**

**Each answer should not exceed 800 words or four pages**

- 16.a. Define 'Curriculum'. Explain in detail the general principles of organising the curriculum in mathematics.  
(or)
- 16.b. What are the modern strategies for maths teaching? Explain how you will transact maths curriculum using techno-pedagogy.
- 17.a. What is the importance of text books in teaching of mathematics? Evaluate X standard text book of Tamil Nadu State.  
(or)
- 17.b. Explain the use of mass media in teaching mathematics.
- 18.a. What do you mean by Mathematics laboratory? Explain the types of materials to be kept in it.  
(or)
- 18.b. Explain the need and importance of mathematics laboratory in teaching-learning process.
- 19.a. Explain the types of books with examples.  
(or)
- 19.b. Explain the need and significance of mathematics library in schools.
- 20.a. Discuss the various steps involved in the construction of Achievement test in Mathematics.  
(or)
- 20.b. Construct an achievement test in mathematics for any one of secondary level class.

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