

17BEDM14/17BDSM14 - Professionalising Mathematics Education

PART - A

Choose the correct answer

5 x 1 = 5

- Which of the following is an advantage of content analysis?
 - It is flexible and is not resource dependent.
 - It is highly complex and requires rigorous training.
 - It is only suitable for the analysis of interview transcripts.
 - It is not suitable for the analysis of business reports.
- Which of the following could be subjected to a textual content analysis?
 - Interview transcripts
 - Newspaper articles
 - Song lyrics
 - All of the above
- The language of mathematics text book should
 - be easy
 - lead to exact thinking
 - be attractive
 - lead to brief expression
- The person most suited to write a school text book is an eminent
 - person in the subject
 - teacher
 - teacher teaching the subject to that class
 - psychologist
- The important function of a text book is
 - to be a guide to the syllabus
 - to present the subject content
 - to present important problems
 - to suggest remedial work

PART - B

Answer the following in one or two sentences

5 x 2 = 10

- What do you mean by content analysis?
- Write any four advantages of analyzing a content?
- Mention any four uses of a text book.
- List any four mathematics books you have read.
- List any four draw backs in the present text book.

PART - C

Answer the following

3 x 5 = 15

Answer should not exceed 200 words or one page

- Write the steps in content analysis.
(or)
- Discuss the nature and structure of IX text book of Mathematics.
 - Is it necessary to have text book in teaching mathematics.
(or)
 - How do you analyze a text book using Vogel's spot check list.
- Explain the role of a mathematics textbook in the hands of a student.
(or)
- Should we have text books in teaching mathematics? Substantiate your answer.

PART - D

Answer the following

2 x 15 = 30

Answer should not exceed 700 words or four pages

- Explain content analysis in mathematics
(or)
- Highlight the need and importance of content analysis.
 - Enumerate the characteristics of a good mathematics textbook.
(or)
 - Explain the role of a mathematics textbook in the hands of a teacher.